



Applications:

- Test & Measurement Systems
- Component Device Testing
- Manufacturing and Process Control
- Semiconductor Processing & Burn-in
- Aerospace & Satellite Testing
 Medical Imaging
- Medical ImagingGreen Technology

OEM Designers have a wide variety of Inputs and Outputs from which to select depending on application and location.

Description:

The five year warranty, GENESYS+[™] high power GSP models of programmable DC power supplies offer 10kW in a 2U high package and 15kW in 3U with output voltages and currents of up to 0-10V/1,500A to 0-600V/25.5A. GSP can operate in constant voltage, constant current and constant power modes.

Control of voltage and current slew rate, arbitrary waveform generation and storage, internal resistance simulation and display brightness control are all standard features. Multiple remote programming methods are available including LAN, USB ,RS232 / RS485 and isolated analogue interfaces built in as standard .Interface options will include IEE-E488, Modbus-TCP, EtherCAT and more. The units can be ordered to accept three-phase 170-265Vac, 342-460Vac or 342-528Vac input.

Features:

- Leading DC Programmable power density 10kW/15kW in 2U/3U height
- Wide Range of popular worldwide AC inputs:GSP10kW / 15kW 3ø (208VAC, 400VAC & 480VAC), Wide-range 3ø 480VAC (342VAC ~ 528VAC)
- Active three-phase PFC (0.94 typical)
- Output Voltage up to 600V, Current up to 1500A
- Built-in LAN (1.5), USB, RS-232/RS-485 Interface
- Constant Voltage/Constant Current operation modes

| Model | Output Voltage (VDC) | Output Current (A) | Output Power (kW) |
|-------------|----------------------------|--------------------------|-------------------------|
| GSP10-1000 | 0~10V | 0~1000 | 10 |
| GSP20-500 | 0~20V | 0~500 | 10 |
| GSP30-340 | 0~30V | 0~340 | 10.2 |
| GSP40-250 | 0~40V | 0~250 | 10 |
| GSP50-200 | 0~50V | 0~200 | 10 |
| GSP60-170 | 0~60∨ | 0 ~170 | 10.2 |
| GSP80 -130 | 0~80V | 0~130 | 10.4 |
| GSP100-100 | 0~100V | 0~100 | 10 |
| GSP150 - 68 | 0~150V | 0~68 | 10.2 |
| GSP200-50 | 0~200V | 0~50 | 10 |
| GSP300-34 | 0~300V | 0~34 | 10.2 |
| GSP400-26 | 0~400V | 0~26 | 10.4 |
| GSP500-20 | 0~500V | 0~20 | 10 |
| GSP600 -17 | 0~600V | 0~17 | 10.2 |

Series Table 10kW Models

Series Table 15kW Models

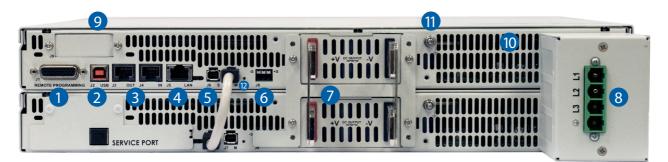
| Model | Output Voltage (VDC) | Output Current (A) | Output Power (kW) |
|-------------|----------------------------|-----------------------|-------------------------|
| GSP10 -1500 | 0~10V | 0~1500 | 15 |
| GSP20-750 | 0~20V | 0~750 | 15 |
| GSP30-510 | 0~30V | 0~510 | 15.3 |
| GSP40-375 | 0~40V | 0~375 | 15 |
| GSP50-300 | 0~50V | 0~300 | 15 |
| GSP60-255 | 0~60V | 0~255 | 15.3 |
| GSP80-195 | 0~80V | 0~195 | 15.6 |
| GSP100 -150 | 0~100V | 0~150 | 15 |
| GSP150 -102 | 0~150V | 0~102 | 15.3 |
| GSP200-75 | 0~200V | 0~75 | 15 |
| GSP300-51 | 0~300V | 0~51 | 15.3 |
| GSP300-51 | 0~400V | 0~39 | 15.6 |
| GSP300-51 | 0~500V | 0~30 | 15.3 |
| GSP600-25.5 | 0~600V | 0~25.5 | 15.3 |

GSP10kW Front Panel Description

| | 3 4 | 3 |
|-------------------------------------|-----|---------------|
| TDKLambda corps tood 6 4000-5000 | | DMM FINE PREV |
| | 5 | 6 |
| | | |
| | | |

- 1. Input Power ON/OFF Switch
- 2. Air Intake allows zero stacking for maximum system flexibility and power density.
- 3. Reliable Detent Encoders for settings and Menu navigation.
- 4. High Contrast/Brightness display with wide viewing angle, 16 segment LCD
- 5. Function/Status LEDs: Active modes and function indicators
- 6. Pushbuttons allow flexible user configuration

GSP10kW Rear Panel Description



- 1. Isolated Analog Programming, Monitoring and other control connector (DB26 Female)
- 2. USB Interface connector (Type B).
- 3. RS-232/RS-485 IN/OUT Remote Digital Interface (RJ-45 type) for Multi-Drop connection
- 4. LAN (LXI 1.5) Interface connector (RJ-45 type with LAN status indicators).
- 5. Auto paralleling Bus connectors (mini I/O type) for connecting Master unit-to-Slave and Slave unit-to-Slave unit.
- 6. Remote/Local Output Voltage Sense Connections (spring cage).
- 7. Output Connections: Rugged busbars (shown) for models up to and including 100V Output; Plug connector: PHOENIX CONTACT DFK-IPC 16/4-STF-10.16 for models with Outputs >100V.
- Input: 208VAC, 400VAC & 480VAC Three Phase, 50/60 Hz. AC Input Plug Connector: PHOENIX CONTACT DFK-IPC 16/4-STF-10.16 with strain relief.
- 9. Optional Interface Position for IEEE 488.2 SCPI or AnyBus Interface.
- 10. Exhaust air assures reliable operation when zero stacked.
- 11. Functional Ground connection (M4x8mm stud).
- 12. Reset button. Set default Power Supply settings.

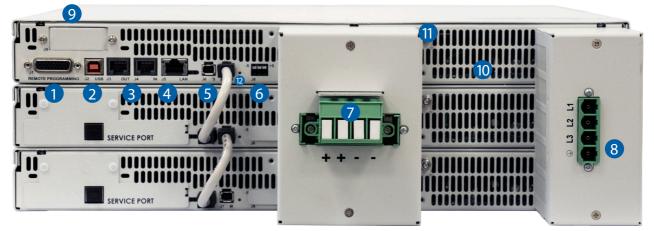
TDK·Lambda

GSP15kW Front Panel Description

| TOKLambda Ortheits of Nitro Votek R. Feers Seggi | 2 | | |
|--|---|---|---|
| | | 5 | 6 |
| | | | |

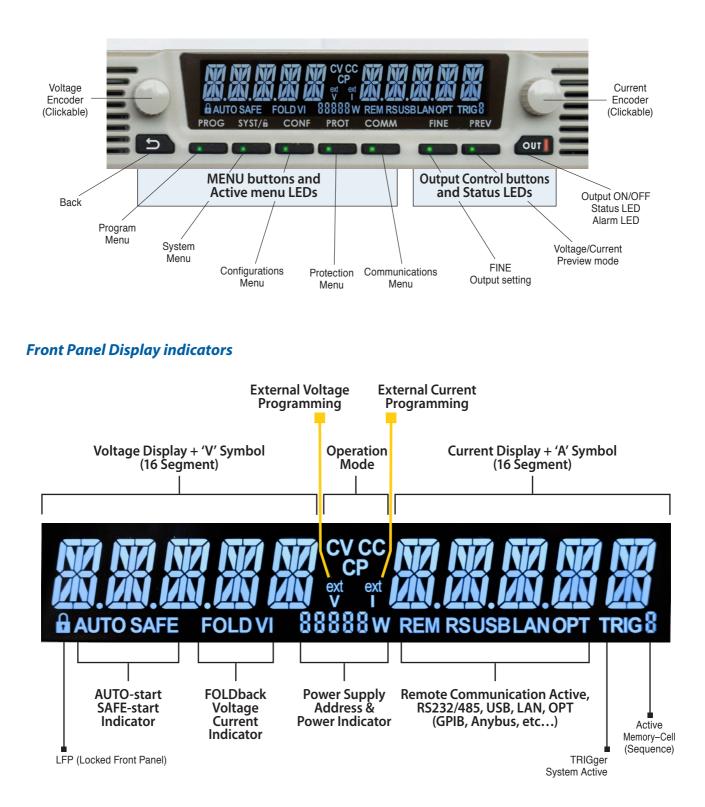
- 1. Input Power ON/OFF Switch
- 2. Air Intake allows zero stacking for maximum system flexibility and power density.
- 3. Reliable Detent Encoders for settings and Menu navigation.
- 4. High Contrast/Brightness display with wide viewing angle, 16 segment LCD
- 5. Function/Status LEDs: Active modes and function indicators
- 6. Pushbuttons allow flexible user configuration

GSP15kW Rear Panel Description



- 1. Isolated Analog Programming, Monitoring and other control connector (DB26 Female)
- 2. USB Interface connector (Type B).
- 3. RS-232/RS-485 IN/OUT Remote Digital Interface (RJ-45 type) for Multi-Drop connection
- 4. LAN (LXI 1.5) Interface connector (RJ-45 type with LAN status indicators).
- 5. Auto paralleling Bus connectors (mini I/O type) for connecting Master unit-to-Slave and Slave unit-to-Slave unit.
- 6. Remote/Local Output Voltage Sense Connections (spring cage).
- 7. Output Connections: Rugged busbars for models up to and including 100V Output; Plug connector: PHOENIX CONTACT DFK-IPC 16/4-STF-10.16 for models with Outputs >100V (shown).
- Input: 208VAC, 400VAC & 480VAC Three Phase, 50/60 Hz.
 AC Input Plug Connector: PHOENIX CONTACT DFK-PC 16/4-ST-10.16 with strain relief.
- 9. Optional Interface Position for IEEE 488.2 SCPI or AnyBus Interface.
- 10. Exhaust air assures reliable operation when zero stacked.
- 11. Functional Ground connection (M4x8mm stud).
- 12. Reset button. Set default Power Supply settings.

Front Panel Display MENU/CONTROL buttons:



GENESYS[™] G&GSP Series



A Blank Front Panel is available for applications where the front panel display and controls are not required and only remote interface (Digital/Analog) is needed.

The Blank Front Panel option has all the standard product functions and features except the display.

The power supply can be controlled via the rear panel Remote digital interface

(LAN, USB, RS-232/RS-485) or via the remote Isolated Analog interface.

G*E*NESYS[™] Parallel and Series Configurations

Parallel operation - Master/Slave:

Auto paralleling Scalable Master-Slave Operation. Active current sharing allows up to twelve (12) identical units to be connected

Total real current is programmed measured and reported by the Master. Up to twelve (12) supplies operate as one.

Separate Parallel Kit available for 30kW (6 unit) systems allowing easy system setup. Order P/N: G/P - 6U Standard Unit - zero stacked up to 12 units

OUT (LED)



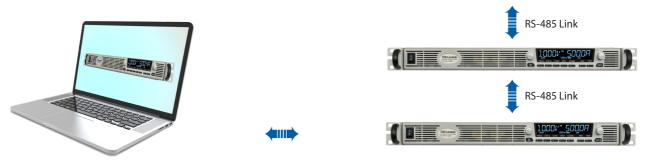
Series operation

Two units may be connected in series to increase the output voltage or to provide bipolar output. (Max 600V to Chassis Ground).

Multi-Drop Remote Programming via Communication Interface

Standard Built-in LAN, USB, RS-232 & RS-485 allows "Multi-Drop" daisy-chain control of up to 31 Power supplies on the same communication bus. Can be Daisy chained via built-in RS-485 Interface.

- First unit is LAN, USB, RS-232, RS-485, etc.
- All other units use RS-485 daisy chain with linking cable.

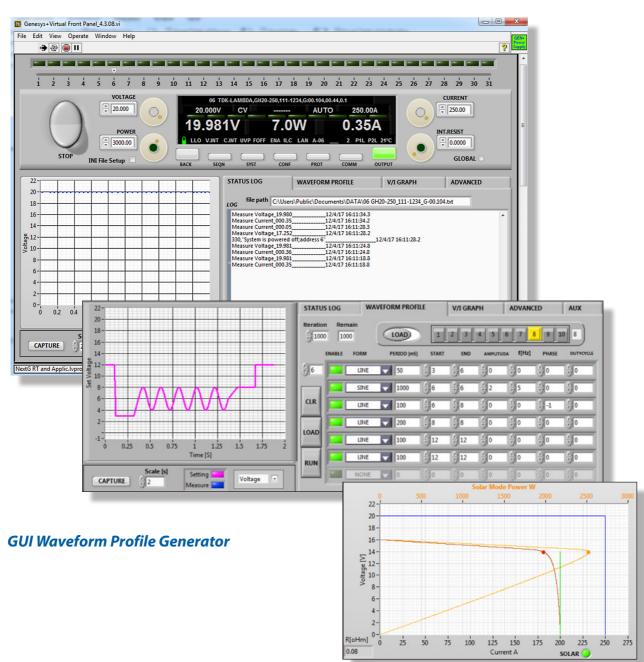


LAN, USB, RS-232, RS-485, IEEE, AnyBus

Graphical User Interface

Advanced "Virtual Front Panel" allows programming and monitoring unit(s) with or without front panel display.

- 1. Control and monitor up-to 31 units with "Address" bar
- 2. Front panel set-up menu control (PROGram, SYSTem, CONFiguration, PROTection and COMMnication)
- 3. Informative "Parameters" status bar
- 4. Individual unit and Global command control
- 5. Data logging including errors, events and recovery
- 6. Realtime Graph and Waveform creator, store/load sequence.
- 7. Solar array mode calculate MPP (Max Peak Power) for solar array.
- 8. Registers View: Operation Status, Fault, Event Status, ENABLE and INTERLOCK signals.
- 9. Remote communication state LOC, REM, LLO.
- 10. Programmed signals 1&2



TDK·Lambda

How to order GSP10kW-15kW - Power Supply Identification / Accessories

| G SP | 10 | - 1500 | | | |
|---|---|--|--|--------------------------------|--------------------------|
| Series Name | Output | Output | Interface Options | AC Input Options | Accessories Options |
| Front Panel Type | Voltage | Current | | 3P208 (Three Phase 170~265VAC) | M - Printed *User Manual |
| Empty: standard | (0~10V) | (0~1500A) | | 3P400 (Three Phase 342~460VAC) | * User Manual & GUI are |
| B: Blank Front Panel (A | TE version) | | | 3P480 (Three Phase 342~528VAC) | available on the website |
| Interface Option. LAN (LX/ 1.5 compliant USB 2.0 compliant with RS-232/RS-485 - buil Isolated Analog Progra (5V/10V Pgm/Mon with IEEE (488.2 & SCPI compl Modbus-TCP EtherCAT | with Multi-Dro h Multi-Drop o t-in am/Monitor Int n 600V isolatio | p capability)- built-in capability - built-in terface n) - built-in | P/N - - - - EEE MDBS ECAT | | |

Models GSP 10kW

| Model | Voltage (VDC) | Current (A) | Power (kW) | | Model | Voltage (VDC) | Current (A) | Power (kW) |
|------------|---------------|-------------|------------|---|------------|---------------|-------------|------------|
| GSP10-1000 | 0~10V | 0~1000 | 10 | | GSP100-100 | 0~100V | 0~100 | 10 |
| GSP20-500 | 0~20V | 0~500 | 10 | | GSP150-68 | 0~150V | 0~68 | 10.2 |
| GSP30-340 | 0~30V | 0~340 | 10.2 | | GSP200-50 | 0~200V | 0~50 | 10 |
| GSP40-250 | 0~40V | 0~250 | 10 | | GSP300-34 | 0~300V | 0~34 | 10.2 |
| GSP50-200 | 0~50V | 0~200 | 10 | | GSP400-26 | 0~400V | 0~26 | 10.4 |
| GSP60-170 | 0~60V | 0~170 | 10.2 | | GSP500-20 | 0~500V | 0~20 | 10 |
| GSP80-130 | 0~80V | 0~130 | 10.4 | [| GSP600-17 | 0~600V | 0~17 | 10.2 |

Models GSP 15kW

| Model | Voltage (VDC) | Current (A) | Power (kW) | Model | Voltage (VDC) | Current (A) | Power (kW) |
|------------|---------------|-------------|------------|-------------|---------------|-------------|------------|
| GSP10-1500 | 0~10V | 0~1500 | 15 | GSP100-150 | 0~100V | 0~150 | 15 |
| GSP20-750 | 0~20V | 0~750 | 15 | GSP150-102 | 0~150V | 0~102 | 15.3 |
| GSP30-510 | 0~30V | 0~510 | 15.3 | GSP200-75 | 0~200V | 0~75 | 15 |
| GSP40-375 | 0~40V | 0~375 | 15 | GSP300-51 | 0~300V | 0~51 | 15.3 |
| GSP50-300 | 0~50V | 0~300 | 15 | GSP400-39 | 0~400V | 0~39 | 15.6 |
| GSP60-255 | 0~60V | 0~255 | 15.3 | GSP500-30 | 0~500V | 0~30 | 15 |
| GSP80-195 | 0~80V | 0~195 | 15.6 | GSP600-25.5 | 0~600V | 0~25.5 | 15.3 |

Accessories

Accessories will be sent separately from the Power Supply packing, according to order. **1. Serial Communication cable**

RS-232/RS-485 cable is used to connect the power supply to the Host PC.

| Mode | RS-485 | RS-232 |
|------------------------|---------------|---------------|
| PC Connector | DB-9F | DB-9F |
| Communication Cable | Shielded L=2m | Shielded L=2m |
| Power Supply Connector | RJ-45 | RJ-45 |
| P/N | GEN/485-9 | GEN/232-9 |

2. Bus Paralleling cable (Included with the power supply)

| Connectors | Cables | P/N |
|------------------|-----------------|-----|
| 2013595-1 (TYCO) | Shielded L=11cm | G/P |
| 2 User Manual | | |

3. User Manual

| Printed User Manual | G/M |
|---------------------|-----|
|---------------------|-----|

TDK·Lambda _____

GENESYS[™] GSP10kW SERIES SPECIFICATIONS

| OUTPUT RATING | | GSP | 10-1000 | 20-500 | 30-340 | 40-250 | 50-200 | 60-170 | 80-130 | 100-100 | 150-68 | 200-50 | 300-34 | 400-26 | 500-20 | 600-17 |
|---|---------------------------------------|---|--|--|--|--|---|--|---|---|--|---|--|--|---|----------|
| 1.Rated output voltage(*1) | | V | 10 1000 | 20 500 | 30 | 40 | 50 200 | 60 | 80 | 100 100 | 150 00 | 200 50 | 300 | 400 | 500 20 | 600 |
| 2.Rated output current (*2) | | A | 1000 (*3) | 500 | 340 | 250 | 200 | 170 | 130 | 100 | 68 | 50 | 34 | 26 | 20 | 17 |
| 3.Rated output power | | kW | 10 | 10 | 10.2 | 10 | 10 | 10.2 | 10.4 | 10 | 10.2 | 10 | 10.2 | 10.4 | 10 | 10.2 |
| INPUT CHARACTERISTICS | | v | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
| INPOT CHARACTERISTICS | | v | | | | 265Vac, 47 | | | | 100 | 150 | 200 | 500 | 400 | 500 | 000 |
| 1.Input voltage/freq. 3 phase, 3 wi | ire + Ground (*4) | | <u> </u> | | | 460Vac, 47 | | | | ac) | | | | | | |
| iniput voitage/neq. 5 phase, 5 wi | | | <u> </u> | | | | | | | 40/460/48 | 0Vac) | | | | | |
| , | 3-Phase, 200V models: | | 35A @ 20 | | 1013. 3 12 | 20100, 17 | 03112 (00 | VCI 3 500/ | 100/113/1 | 10/ 100/ 10 | ovacj | | | | | |
| 2. Maximum Input current at | 3-Phase, 400V models: | | 18.4A @ 3 | | | | | | | | | | | | | |
| 100% load | 3-Phase, 480V models: | | 18.4A @ 3 | | | | | | | | | | | | | |
| 3.Power Factor (Typ) | 5 Thase, 400V models. | | | | rated out | put powe | r | | | | | | | | | |
| 4.Efficiency (Typ) (*5) (*22) | | % | 89 (*21) | | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 92 | 92 | 91 | 92 |
| 5.Inrush current (*6) | | A | Less thar | | | | | | | | | | | | | |
| 6.AC line phase imbalance | | % | < 5% | | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | 1 | | | | | | | | | | | | | |
| CONSTANT VOLTAGE MODE | | V | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
| 1.Max. Line regulation (*7) | | | | | out voltag | | | | | | | | | | | |
| 2.Max. Load regulation (*8) | *0) | | | | out voltag | | 75 | 75 | 00 | 00 | 120 | 200 | 200 | 400 | 450 | 100 |
| 3.Ripple and noise (p-p, 20MHz) (* | *9) | mV | 75 | 75 | 75 | 75 | 75 | 75 | 80 | 90 | 120 | 200 | 200 | 400 | 450 | 480 |
| 4.Ripple r.m.s. 5Hz~1MHz (*9) | | mV | 8 | 10 | 12 | 12 | 12 | 12 | 15 | 15 | 20 | 45 | 60 | 80 | 80 | 100 |
| 5.Temperature coefficient | | | | | | voltage, f | | | | | tling l- | 10 +0 | | | | |
| 6.Temperature stability | | | | | | | | | | p. Constan | | a & temp. | | | | |
| 7. Warm-up drift | ire (*10) | V | | 1 | · · · · | | | 1 | 1 | ving powe | r | - | <i>r</i> | - | - | ~ |
| 8.Remote sense compensation/wi | iie (* 10) | V ms | 2 | 2 30 | 5 30 | 5 30 | 5 | 5 50 | 5 | 5 50 | 5 50 | 5 50 | 5 50 | 5 100 | 5 100 | 5 100 |
| 9.Up-prog. Response time (*11) | Full los of (#11) | mS | 30 | | | | 50 | | 50 | | | | | | | |
| 10.Down-prog.response time: | Full load (*11) | mS | 50 | 50 | 80 800 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | 100 | 150 | 200 | 200 |
| · . | No load (*12) | mS | 300 Time for | 600 | | 900 | 950 | 1000 | 1200 | 1900 | 2000 | 2500 | 3000 | 4000 | 4000 | 3000 |
| 11.Transient response time | | mS | | | | | | | | | | 90% of rat dels above | | . current. C | output set | -point: |
| 12.Start up delay | | Sec | Less than | | | | | | | | ., | | | | | |
| | | | | | | | | | | | | | | | | |
| CONSTANT CURRENT MODE | | | | | | | | | | | | | | | | |
| 1.Max. Line regulation (*7) | | | | | out curren | | | | | | | | | | | |
| 2.Max. Load regulation (*13) | | | | | put currer | 1 | | | | | - | | | | | |
| 3.Ripple r.m.s. @ 10% rated voltag | | mA | 1500 | 1200 | 600 | 300 | 200 | 150 | 100 | 70 | 45 | 45 | 15 | 15 | 12 | 10 |
| 4.Ripple r.m.s. @ 100% rated voltage. | . B.W 5Hz~1MHz. (TA25°C) | mA | 1200 | 700 | 300 | 150 | 100 | 75 | 50 | 35 | 23 | 23 | 7.5 | 7.5 | 8 | 6 |
| 5.Temperature coefficient | | PPM/°C | 10V~100 | | | | | | | nutes warr | | | | | | |
| | | | | | | | | | - | utes warm | <u> </u> | | | | | |
| 6.Temperature stability | | | | | | | | | | | | l & tempei | rature. | _ | | |
| 7. Warm-up drift | | | | | | | | | |) minutes f | | | | | | |
| · | | | 150V~60 | 0V: Less th | ian +/-0.15 | 5% of rated | d output c | urrent ove | er 30 minu | ites follow | ing powe | ron. | | | | |
| ANALOG PROGRAMMING AND M | IONITORING (ISOLATED | FROM T | HE OUTP | UT) | | | | | | | | | | | | |
| 1.Vout voltage programming | | | 0~100%, | 0~5V or 0 | ~10V, usei | selectabl | e. Accurad | y and line | arity: +/-0 |).15% of ra | ted Vout. | | | | | |
| 2.lout voltage programming (*15) |) | | 0~100%, | 0~5V or 0 | ~10V, usei | r selectabl | e. Accurad | y and line | arity: +/-0 | .4% of rate | ed lout. | | | | | |
| 3.Vout resistor programming | | | 0~100%, | 0~5/10Ko | hm full sc | ale, user se | electable. | Accuracy | and linear | rity: +/-0.5 | % of rated | Vout. | | | | |
| 4.lout resistor programming (*15) |) | | 0~100%, | 0~5/10Ko | hm full sc | ale, user se | electable. | Accuracy | and linear | rity: +/-0.5 | % of rated | lout. | | | | |
| 5.Output voltage monitor | | | 0.5V or (| 0∼10V, use | r selectab | le Accura | | | 1 Vout | | | | | | | |
| | | | 0~30010 | | | ic. neculu | cy: +/-0.5 | %. Of rated | a vout. | | | | | | | |
| 6.Output current monitor (*15) | | | | 0∼10V, use | | le. Accura | | | | | | | | | | |
| 6.Output current monitor (*15) | | | |)~10V, use | | | | | | | | | | | | |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA | TED FROM THE OUTPUT | Г) | 0~5V or (| | r selectab | le. Accura | cy: +/-0.50 | %. Of rated | d lout. | ut Off- Off | Maximum | Voltage | 30V Marin | mum Cink | Current: 1 | 0mA |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal | TED FROM THE OUTPUT | [) | 0~5V or 0 Power su | pply outp | r selectab ut monito | le. Accura r. Open co | cy: +/-0.50 | %. Of rated | d lout. On. Outpu | | | n Voltage: | | | Current: 1 | 0mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal | | [) | 0~5V or (Power su CV/CC M | pply outp onitor. Op | r selectab ut monito en collect | le. Accura r. Open co or. CC moo | ollector. O de: On. CV | %. Of rated utput On: ' mode: Of | d lout. On. Outpu f. Maximu | m Voltage | : 30V, Max | imum Sin | k Current: | 10mA. | | 0mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control | | () | 0~5V or (Power su CV/CC M Enable/D | pply outp onitor. Op Pisable and | r selectab ut monito en collect alog progr | le. Accura r. Open co or. CC moo ramming c | ellector. O de: On. CV ontrol by | %. Of rated utput On: mode: Of electrical | d lout. On. Outpu f. Maximu signal or c | im Voltage dry contac | : 30V, Max t. Remote: | timum Sin 0~0.6V oi | k Current: r short. Lo | 10mA. cal: 2~30V | or open. | |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal | | [) | 0~5V or 0 Power su CV/CC M Enable/D analog p | pply outp onitor. Op Disable and rogrammi | r selectab ut monito en collect alog progr ng control | le. Accura r. Open cc or. CC moo ramming c monitor si | llector. O de: On. CV ontrol by ignal. Ope | %. Of rated utput On: mode: Of electrical n collecto | d lout. On. Outpu f. Maximu signal or c r. Remote: | m Voltage dry contac On. Local: | : 30V, Max t. Remote: Off. Maxii | timum Sin 0~0.6V or num Volta | k Current: r short. Lo ige: 30V, M | 10mA. cal: 2~30V laximum S | or open. | |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal | | () | 0~5V or (Power su CV/CC M Enable/D analog pr Enable/D | pply outp onitor. Op Pisable and rogrammi Pisable PS | r selectab ut monito en collect alog progr ng control output by | le. Accura r. Open cc or. CC moo amming c monitor si electrical | ellector. O de: On. CV ontrol by ignal. Ope | %. Of rated utput On: 'mode: Of electrical in collecto dry contac | On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V | m Voltage dry contac On. Local: or short, 2 | : 30V, Max t. Remote: Off. Maxii ~30V or o | timum Sin 0~0.6V or mum Volta pen. User | k Current: r short. Lo ige: 30V, M selectable | 10mA. cal: 2~30V laximum S | or open. | |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control | | [) | 0~5V or (Power su CV/CC M Enable/D analog p Enable/D Enable/D | pply outp onitor. Op Disable and rogrammi Disable PS Disable PS | r selectab ut monito en collect alog progr ng control output by output by | le. Accura r. Open cc or. CC moo amming c monitor si electrical electrical | ollector. O de: On. CV ontrol by ignal. Ope signal or o signal or o | %. Of rated utput On: 'mode: Of electrical n collecto dry contac dry contac | d lout. On. Outpu f. Maximu signal or c r. Remote: rt. 0~0.6V t. Remote | m Voltage dry contac On. Local: or short, 2 e: 0~0.6V o | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo | kimum Sin 0~0.6V or num Volta pen. User ocal: 2~30V | k Current: r short. Lo ge: 30V, M selectable / or open. | 10mA. cal: 2~30V laximum S e logic. | or open. | |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals | | | 0~5V or (Power su CV/CC M Enable/D analog p Enable/D Enable/D Two oper | pply outp onitor. Op Disable and rogrammi Disable PS Disable PS n drain pro | r selectab ut monito en collect alog progr ng control output by output by ogrammal | le. Accura or. Open cc or. CC moo amming c monitor si electrical electrical ole signals | ellector. O de: On. CV ontrol by ignal. Ope signal or o signal or o . Maximu | %. Of rated utput On: mode: Of electrical on collecto dry contac dry contac m voltage | d lout. On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control | | | 0~5V or (Power su CV/CC M Enable/D analog p Enable/D Enable/D Two oper | pply outp onitor. Op Disable and rogrammi Disable PS Disable PS n drain pro | r selectab ut monito en collect alog progr ng control output by output by ogrammal | le. Accura or. Open cc or. CC moo amming c monitor si electrical electrical ole signals | ellector. O de: On. CV ontrol by ignal. Ope signal or o signal or o . Maximu | %. Of rated utput On: mode: Of electrical on collecto dry contac dry contac m voltage | d lout. On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 | kimum Sin 0~0.6V or num Volta pen. User ocal: 2~30V | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals | | | 0~5V or (Power su CV/CC M Enable/C analog pi Enable/C Enable/C Two oper Maximu edge tri | pply outp onitor. Op Disable ana rogrammi Disable PS Disable PS n drain pro m low le gger: tw= | r selectab ut monito en collect alog progr ng control output by output by ogrammal vel input =10us min | le. Accura or. Open cc or. CC moo amming c monitor si electrical electrical ole signals | cy: +/-0.5 llector. O de: On. CV ontrol by ignal. Ope signal or o signal or o . Maximut = 0.8V,Mi r,Tf=1us M | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac n voltage nimum h Aaximum | d lout. On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT sign. | | | 0~5V or (Power su CV/CC M Enable/C analog pi Enable/C Enable/C Two opei Maximu edge trii By electr | pply outp onitor. Op visable ana rogrammi visable PS visable PS n drain pro m low le gger: tw- ical Voltag | r selectab ut monito en collect alog progr ng control output by output by output by pgrammal vel input =10us min je: 0~0.6V/ | ILE. Accura or. Open co or. CC mod amming c monitor si electrical electrical ole signals voltage = nimum. Ti | cy: +/-0.5 illector. O de: On. CV ontrol by ignal. Ope signal or o signal or o . Maximu = 0.8V,Mir r,Tf=1us M dry conta | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac n voltage nimum h Aaximum | d lout. On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_OUT/PS_OK #2 signal | | | 0~5V or (Power su CV/CC M Enable/C analog pi Enable/C Enable/C Two opei Maximu edge trii By electr | pply outp onitor. Op visable ana rogrammi visable PS visable PS n drain pro m low le gger: tw- ical Voltag | r selectab ut monito en collect alog progr ng control output by output by output by pgrammal vel input =10us min je: 0~0.6V/ | Ie. Accura r. Open co or. CC moo amming c monitor si electrical electrical ble signals voltage = nimum. Ti /2~30V or | cy: +/-0.5 illector. O de: On. CV ontrol by ignal. Ope signal or o signal or o . Maximu = 0.8V,Mir r,Tf=1us M dry conta | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac n voltage nimum h Aaximum | d lout. On. Outpu f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | :: 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES | | | 0~5V or (Power su CV/CC M Enable/C analog pu Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=Ol | pply outp onitor. Op visable and rogrammi visable PS n drain pro m low le gger: tw- ical Voltag K, OV (5000 | r selectab ut monito en collect alog progr ng control output by portput by pgrammal vel input =10us mir ie: 0~0.6V, ohm impe | le. Accura r. Open cc or. CC mod amming c monitor si electrical electrical ble signals voltage = nimum. Ti /2~30V or dance)=Fa | signal or of Maximum Maximum Maximum Maximum Maximum N | %. Of ratee utput On: mode: Of electrical n collecto dry contac dry contac dry contage nimum h daximum ct. | d lout. On. Output f. Maximu signal or c r. Remote t. 0~0.6V tt. Remote 25V, Maxi igh level t, Min del | m Voltage dry contac On. Local: or short, 2 c 0~0.6V o mum sink input vol ay betwe | : 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 tage = 2. sen 2 puls | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog signal 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation | | | 0~5V or (Power su CV/CC ML Enable/D analog pp Enable/D Enable/D Two oper Maximu edge tri By electr 4~5V=Ol Possible. | pply outp ponitor. Op visable ana orgaramini visable PS visable PS n drain pre m low lee gger: tw- ical Voltag (<, OV (500) | r selectab ut monito en collect alog progr ng control output by output by pgrammal vel input =10us min =0.6.V, ohm impe | le. Accura r. Open cc or. CC mod amming c monitor si electrical electrical ble signals voltage = nimum. Ti /2~30V or dance)=Fa | signal or of Maximum Maximum Maximum Maximum Maximum N | %. Of ratee utput On: mode: Of electrical n collecto dry contac dry contac dry contage nimum h daximum ct. | d lout. On. Output f. Maximu signal or c r. Remote t. 0~0.6V tt. Remote 25V, Maxi igh level t, Min del | m Voltage dry contact On. Local: or short, 2 e: 0~0.6V o mum sink | : 30V, Max t. Remote: Off. Maxii ~30V or o r short. Lo current 10 tage = 2. sen 2 puls | cimum Sin 0~0.6V or mum Volta pen. User ocal: 2~30V 00mA (Shu | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation | | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=Ol Possible. Consult v | pply outp ponitor. Op visable ana rogrammi visable PS visable PS n drain pro- m low le gger: two- ical Voltaç C, OV (5000 Up to fou vith Facto | r selectab ut monito en collect alog progr ng control output by output by ou | le. Accura r. Open cc or. CC moo amming c monitor si electrical electrical electrical ole signals voltage = nimum. Ti /2~30V or dance)=Fa cal GSP ur | cy: +/-0.5 villector. O de: On. CV ontrol by ignal. Ope signal or of signal or of signal or of . Maximul = 0.8V,Mi r,Tf=1us h dry conta sill wits. For m | %. Of rated utput On: 'mode: Of electrical n collecto dry contac dry contac dry contage nimum h daximum ct. | d lout. On. Output f. Maximu signal or c r. Remote 25V, Maxi igh level , Min del | m Voltage dry contac : On. Local: or short, 2 e: 0~0.6V o mum sink input vol ay betwee | : 30V, Maxi t. Remote: Off. Maxin ~30V or o r short. Lo current 10 tage = 2. en 2 puls Factory. | kimum Šini i 0~0.6V oi num Volta pen. User s ical: 2~30V 00mA (Shu 5V, Maxir ses 1ms. | k Current: r short. Lo ge: 30V, M selectable / or open. inted by 2 | 10mA. cal: 2~30V laximum S logic. 7V zener) | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 3. Daisy chain | | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=Ol Possible. Consult v Power su | pply outp onitor. Op bisable ana rogrammi bisable PS bisable PS n drain pro m low le gger: tw- ical Voltag C, OV (5000 Up to fou vith Facto pplies car | r selectab ut monito en collect alog progr ng control output by output by ou | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical signals voltage = nimum. Ti /2~30V or dance)=Fa cal GSP ur ected in Da | cy: +/-0.5 villector. O de: On. CV ontrol by ignal. Ope signal or of signal or of signal or of signal or of Maximuu = 0.8V,Mi r,Tf=1us h dry conta iil hits. For m aisy chain | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac n voltage nimum h Maximum ct. | d lout. On. Output f. Maximu signal or c r. Remote: tt. 0~0.6V tt. Remote 2SV, Maxi igh level h, Min del r please cc ponize their | m Voltage dry contac : On. Local: or short, 2 e: 0~0.6V o mum sink input vol ay betwee onsult with r turn-on a | : 30V, Maxi t. Remote: Off. Maxii ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. nd turn-o | kimum Šini i 0~0.6V oj num Volta pen. User s ical: 2~30V 00mA (Shu 5V, Maxir ses 1ms. | k Current: Lo r short. Lo ige: 30V, M selectable / or open. inted by 2 num high | 10mA. cal: 2~30V laximum S e logic. 7V zener) n level inp | or open. ink Currer | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control | | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Enable/C Maximu edge tri By electr 4~5V=Ol Possible. Consult v Power su Limits th | pply outp onitor. Op bisable ana rogrammi bisable PS bisable PS in drain pro- m low le- gger: tw- ical Voltagi C, OV (5000 Up to fou vith Facto pplies car e output p | r selectab ut monito en collect alog progr ng control output by output by output by grammal vel input =10us mir =10us mir =0.64/, ohm impe r (4) identi ry b be conne power to a | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical signals voltage = nimum. Ti /2~30V or dance)=Fa cal GSP ur ected in Da proggram | cy: +/-0.5 cy: +/-0.5 cy: cy: cy: cy: cy: cy: cy: cy: cy: cy: | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac dry contac dry contac n woltage nimum h Maximum ct. ore power to synchro e. Program | d lout. On. Outpu f. Maximu signal or cr. Remote: t. 0~0.6V t.t. Remote: 25V, Maxi igh level h, Min del please cc pnize thei nming via | m Voltage dry contac: On. Local: or short, 2 :: 0-0.6V o mum sink input vol ay betwee onsult with r turn-on a the comn | : 30V, Maxi t. Remote: Off. Maxii ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. I Factory. nd turn-o nunicatior | kimum Šini i 0~0.6V or num Volta pen. User s ical: 2~30V 00mA (Shu 5V, Maxin ses 1ms. ff. n ports or t | k Current: r short. Lo gge: 30V, M selectable / or open. nuted by 2 num high | 10mA. cal: 2~30V laximum S e logic. 7V zener) n level inp n level inp oanel. | or open. ink Currer but = 5V p | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control | | ,,, ,,, ,,, ,, ,, ,, ,, ,, ,, | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=Ol Possible. Consult v Power su Limits th Emulates | pply outp onitor. Op bisable ana rogrammi bisable PS bisable PS m drain pre- m low legger: two- ical Voltage C, OV (5000 Up to fou with Facto pplies car e output p s series res | r selectab ut monito en collect alog progr ng control output by portent by po | le. Accura r. Open cc or. CC moc amming c monitor si electrical ole signals voltage = nimum. Ti /2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance f | cy: +/-0.5 cy: +/-0.5 cy: cy: cy: cy: cy: cy: cy: cy: cy: cy: | %. Of rated mode: Of electrical n collecto dry contac n voltage nimum h daximum ct. ore power to synchro to synchro e. Program | d lout. On. Output f. Maximu signal or c r. Remote: t. 0~0.6V tt. Remote 25V, Maxi igh level h, Min del r please cc onize theil nming via Programm | m Voltage dry contac: On. Local: or short, 2 :: 0~0.6V o mum sink input vol ay betwee onsult with r turn-on a the comm ing via the | : 30V, Maxi t. Remote: Off. Maxin ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. In factory. Ind turn-o nunicatior e commun | kimum Šini i 0~0.6V or num Volta pen. User s ccal: 2~30V 00mA (Shu 5V, Maxir ses 1ms. ff. n ports or t nication pc | k Current: r short. Lo gge: 30V, M selectable / or open. ninted by 2 num high num high | 10mA. cal: 2~30V laximum S e logic. 7V zener) n level inp n level inp n level inp n level for the second se | or open. ink Currer but = 5V p | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control | | | 0~5V or (Power su CV/CC M Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates | pply outp onitor. Op bisable ana rogrammi bisable PS bisable PS bisable PS bisable PS in drain pro- m low leg gger: tw- ical Voltag c, OV (5000 Up to fou with Facto pplies car e output p s series res- mable Ou | r selectab ut monito en collect alog progr ng control output by output by output by pgrammal rel input =10us min e: 0~0.6V, bhm impe r (4) identi ry b be conne ower to a istance. R iput rise a | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance r nd Output | cy: +/-0.5 ^c de: On. CV ontrol by ignal. Ope signal or c signal or c signal or c signal or c signal or c signal or c dry conta ill hits. For m med valu ange: 1~ fall slev | %. Of rated mode: Of electrical n collecto dry contac n voltage nimum h daximum ct. ore power to synchro to synchro e. Program | d lout. On. Output f. Maximu signal or c r. Remote: t. 0~0.6V tt. Remote 25V, Maxi igh level h, Min del r please cc onize theil nming via Programm | m Voltage dry contac: On. Local: or short, 2 :: 0~0.6V o mum sink input vol ay betwee onsult with r turn-on a the comm ing via the | : 30V, Maxi t. Remote: Off. Maxin ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. In factory. Ind turn-o nunicatior e commun | kimum Šini i 0~0.6V or num Volta pen. User s ical: 2~30V 00mA (Shu 5V, Maxin ses 1ms. ff. n ports or t | k Current: r short. Lo gge: 30V, M selectable / or open. ninted by 2 num high num high | 10mA. cal: 2~30V laximum S e logic. 7V zener) n level inp n level inp n level inp n level for the second se | or open. ink Currer but = 5V p | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control | | ,,, ,,, ,,, ,, ,, ,, ,, ,, ,, | 0~5V or (Power su CV/CC M Enable/C analog pp Enable/C Enable/C Two oper Maximu edge tri By electr Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates Program | pply outp onitor. Op pisable and rogrammi pisable PS pisable PS in drain pro- m low legger: twe gger: twe ical Voltage ζ , OV (5000 Up to fou vith Facto pplies car e output p e series res mable Ou ication pc | r selectab ut monito en collect alog progr ng control output by output by grammal vel input =10us min =10us min =10u | le. Accura r. Open cc or. CC moc ramming c monitor si electrical electrical electrical electrical electrical electrical ole signals voltage = himum. Ti (2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance in nd Output | cy: +/-0.5 ^c villector. O de: On. CV ontrol by gignal. Ope signal or of signal | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac | d lout. On. Output f. Maximu signal or cr. r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi igh level gh level gh level ph lev | m Voltage dry contac: On. Local: or short, 2 :: 0~0.6V o mum sink input vol ay betwe onsult with r turn-on a the comm ing via the range: 0.00 | : 30V, Maxi t. Remote: Off. Maxin ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. nd turn-o nunicatior e commur 201~999.9 | kimum Šini 0~0.6V or mum Volta pen. User s vical: 2~30V 00mA (Shu 5V, Maxin ses 1ms. ff. n ports or t nication pc 9 V/mSec. | k Current: r short. Lo rge: 30V, M selectable / or open. inted by 2 num high the front p orts or the or A/mSec | 10mA. cal: 2~30V laximum S logic. 7V zener) n level inp n level inp n level inp n level inp n front pane. c. Program | or open. ink Currer put = 5V p el. | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms | als | | 0~5V or (Power su CV/CC M Enable/C analog pp Enable/C Enable/C Two oper Maximu edge tri By electr Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates Program | pply outp onitor. Op pisable and rogrammi pisable PS pisable PS in drain pro- m low legger: twe gger: twe ical Voltage ζ , OV (5000 Up to fou vith Facto pplies car e output p e series res mable Ou ication pc | r selectab ut monito en collect alog progr ng control output by output by grammal vel input =10us min =10us min =10u | le. Accura r. Open cc or. CC moc ramming c monitor si electrical electrical electrical electrical electrical electrical ole signals voltage = himum. Ti (2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance in nd Output | cy: +/-0.5 ^c villector. O de: On. CV ontrol by gignal. Ope signal or of signal | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac | d lout. On. Output f. Maximu signal or cr. r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi igh level gh level gh level ph lev | m Voltage dry contac: On. Local: or short, 2 :: 0~0.6V o mum sink input vol ay betwe onsult with r turn-on a the comm ing via the range: 0.00 | : 30V, Maxi t. Remote: Off. Maxin ~30V or o r short. Lc current 10 tage = 2. en 2 puls Factory. nd turn-o nunicatior e commur 201~999.9 | kimum Šini i 0~0.6V or num Volta pen. User s ccal: 2~30V 00mA (Shu 5V, Maxir ses 1ms. ff. n ports or t nication pc | k Current: r short. Lo rge: 30V, M selectable / or open. inted by 2 num high the front p orts or the or A/mSec | 10mA. cal: 2~30V laximum S logic. 7V zener) n level inp n level inp n level inp n level inp n front pane. c. Program | or open. ink Currer put = 5V p el. | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog signal 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK | als | | 0~5V or (Power su CV/CC M Enable/C analog pp Enable/C Enable/C Two oper Maximu edge tri By electr Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates Program | pply outp onitor. Op pisable and ogrammi pisable PS pisable PS in drain pro- ical Voltage C, OV (5000 Up to fou vith Facto pplies car e output p s series res mable Ou ication poc | r selectab ut monito en collect alog progr ng control output by output by grammal vel input =10us min =10us min =10u | le. Accura r. Open cc or. CC moc ramming c monitor si electrical electrical electrical electrical electrical electrical ole signals voltage = himum. Ti (2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance in nd Output | cy: +/-0.5 ^c villector. O de: On. CV ontrol by gignal. Ope signal or of signal | %. Of rated utput On: mode: Of electrical n collecto dry contac dry contac | d lout. On. Output f. Maximu signal or cr. r. Remote: tt. 0~0.6V tt. Remote 25V, Maxi igh level gh level gh level ph lev | m Voltage dry contac: On. Local: or short, 2 :: 0~0.6V o mum sink input vol ay betwe onsult with r turn-on a the comm ing via the range: 0.00 | : 30V, Maxi t. Remote: Off. Maxin ~30V or or r short. Lc current 10 tage = 2. en 2 puls Factory. nd turn-on nunicatior e commur 201~999.9 | kimum Šini 0~0.6V or mum Volta pen. User s vical: 2~30V 00mA (Shu 5V, Maxin ses 1ms. ff. n ports or t nication pc 9 V/mSec. | k Current: r short. Lo rge: 30V, M selectable / or open. inted by 2 num high the front p orts or the or A/mSec | 10mA. cal: 2~30V laximum S logic. 7V zener) n level inp n level inp n level inp n level inp n front pane. c. Program | or open. ink Currer put = 5V p el. | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT sign 9. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/485, Optional IEEE (*19)(* | als | T) | 0~5V or (Power su CV/CC M Enable/C analog pu Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=00 Possible. Consult v Power su Limits th Emulates Program commun Profiles c | pply outp onitor. Op pisable ana ogrammi visable PS of drain pro- m low le- gger: twa- cical Voltag (, oV (5000 Up to fou vith Facto pplies care e output p a series res- mable Ou ication pco of up to 10 | r selectab ut monito en collect alog progra ng control output by output by output by output by output by el input =10 us min =10 us | Ie. Accura r. Open cc or. CC moc amming c monitor is electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance i nd Output front pane n be store: 40 | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi gh level h, Min del r. please cc onize their nming via 2rogramm ramming ri Activatio | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSeu inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/48S, Optional IEEE (*19)(* | als (USB, LAN, 20) Interfaces) | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates Program commun Profiles c 10 0.05% of | pply outp onitor. Op isable anaro orgammi isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable VS isable PS isable VS isable VS isab | r selectab ut monito en collect alog progra g control output by output by output by orgrammal rel input tise r (4) identi ry be conne ower to a istance. Ri typut rise a rts or the 0 steps ca 30 put voltag | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur cal GSP ur cal GSP ur cat GSP ur | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi 270, Maxi | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSeu inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/485, Optional IEEE (*19)(* 1.Vout programming accuracy (*11 2.lout programming accuracy (*11 2. Sout source) (*12) | als (USB, LAN, 20) Interfaces) | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=Ol Possible. Consult v Power su Limits th Emulates Program Program Profiles c 10 0.05% of r | pply outp onitor. Op pisable ann rogrammi pisable PS nisable PS ni | r selectab ut monito en collect alog progr ng control output by output by output by output by grammal rel input rel input r (4) identi ry h be conne ower to a istance. R tput rise a to steps ca 30 out voltag ut current | le. Accura r. Open cc or. CC moc amming c monitor si electrical electric | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi 270, Maxi | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSec inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 10. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/485, Optional IEEE (*19)(*1 3. Joaty chain 1. Vout programming accuracy (*11 3. Joaty correst (*1)) | als (USB, LAN, 20) Interfaces) | | 0~5V or (Power su CV/CC M Enable/C analog pp Enable/C Enable/C Enable/C Enable/C Two open Maximu edge tri By electr 4~5V=Ol Possible. Consult v Power su Limits th Emulates Program commun Profiles c 10 0.35% of r 0.002% o | pply outp onitor. Op jisable ann rogrammi isable PS isable PS isab | r selectab ut monito en collect alog progr ng control output by output by output by output by grammal rel input rel input rel input rel input rel input ry is be conne bower to a istance. Re tput rise a ry tris or the 0 steps ca 30 but voltag ut current | Ie. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical electrical electrical ole signals voltage = imum. Ti /2~30V or dance)=Fa cal GSP ur ected in Da proggram esistance in nd Output front pane n be store: e ge | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi 270, Maxi | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSec inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT sign 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 6. Slew rate control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/485, Optional IEEE (*19)(* 1.Vout programming accuracy (*11 2. Jout programming resolution | als (USB, LAN, 20) Interfaces) | | 0~5V or (Power su CV/CC Me Enable/C analog pp Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri- By electr 4~5V=OI Possible. Consult v Power su Limits th Emulates Program commun Profiles c 10 0.05% of r 0.3% of r 0.002% o 0.002% o | pply outp ponitor. Op pisable ana rogrammi pisable PS in drain pro- m low lei gger: tw- ical Voltag C, OV (5000 Up to fou vith Facto pplies care e output f a series res- mable Ou ication pco- for up to 10 20 rated outp at a doutp of rated ou f rated ou | r selectab | le. Accura r. Open cc or. CC moc amming c monitor is electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur cal GSP ur ected in Da proggram esistance r nd Outpuf front pano n be store: 40 e gg int | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi gh level h, Min del r. please cc onize their nming via 2rogramm ramming ri Activatio | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSec inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 9. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/48S, Optional IEEE (*19)(* 1.Vout programming accuracy (*11 3.Vout programming resolution 5.Vout readback accuracy | als (USB, LAN, 20) Interfaces) | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=01 Possible. Consult v Power su Limits th Emulates Program commun Profiles c 10 0.05% of r 0.002% o 0.002% o 0.002% o 0.002% o | pply outp onitor. Op isable anarosi orgammi isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable VS isable VS is | r selectab ut monito en collect alog progra ng control output by output by output by output by output by el input =10us min =: 0 - 0.6V, ohm impe istance. Ri ty be conne ower to a istance. Ri typut rise a otsos ca 30 out voltag ut current tput volta tput volta | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur cal GSP ur cal GSP ur cal GSP ur front pane n be store: 40 e ge int ge | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi gh level h, Min del r. please cc onize their nming via 2rogramm ramming ri Activatio | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSec inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |
| 6.Output current monitor (*15) SIGNALS AND CONTROLS (ISOLA 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT sign 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 6. Slew rate control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK RS232/485, Optional IEEE (*19)(* 1.Vout programming accuracy (*11 2. Jout programming resolution | als (USB, LAN, *20) Interfaces) 6) 5) | | 0~5V or (Power su CV/CC M Enable/C Enable/C Enable/C Enable/C Enable/C Enable/C Two oper Maximu edge tri By electr 4~5V=01 Possible. Consultv Power su Limits th Emulates Program commun Profiles c 10 0.05% of r 0.002% o 0.002% o 0.002% o 0.002% o | pply outp onitor. Op isable anarosi orgammi isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable PS isable VS isable VS is | r selectab ut monito en collect alog progr ng control output by output by output by output by output by output by output by el input =10us min =0~0.6V ohm impe ohe conne ower to a istance. Ri try b be conne ower to a istance. Ri try try sor the 0 steps ca 30 out voltag ut current tput volta tput volta tput volta tput volta tput volta tut current tput volta tut current tput volta tut current tput volta tut current the current the current tut current tut current tut current tut current tut current tut current tut current | le. Accura r. Open cc or. CC moc amming c monitor si electrical electrical electrical ole signals voltage = nimum. Tr /2~30V or dance)=Fa cal GSP ur cal GSP ur cal GSP ur cal GSP ur front pane n be store: 40 e ge int ge | <pre>cy: +/-0.5^c llector. O de: On. CV ontrol by ignal. Ope signal or o signal o si signal o signal o signal o signalo</pre> | %. Of rated mode: Of electrical n collecto dry contac dry contac dry contac dry contac dry contac dry contac dry contac dry contac to synchre ie. Progran 1000mΩ. F rate. Progran nory cells. | d lout. On. Output f. Maximu signal or cr r. Remote 250, Maxi 250, Maxi gh level h, Min del r. please cc onize their nming via 2rogramm ramming ri Activatio | m Voltage fry contac: On. Local: or short, 2 : 00.6V o mum sink input vol lay betwee onsult with r turn-on a the comm sing via the range: 0.00 n by comm | : 30V, Maxi t. Remote: Off. Maxin ~30V or oj r short. Lo current 11 tage = 2. en 2 puls Factory. Infactory. Infactory. Infactory. Infactory. | kimum Šini 0~0.6V or num Volta pen. User s ccal: 2~30V 00MA (Shu 5V, Maxiri ses 1ms. ff. a ports or t isication pc 9 V/mSec. he commu | k Current: r short. Lo. r ge: 30V, M selectable / or open. inted by 2 num high the front p prts or the or A/mSec inication p | 10mA. cal: 2~30V laximum S elogic. 7V zener) n level inp n level inp n level inp n level inp c. Program c. Program | or open. ink Currer out = 5V p el. ming via | t: 10mA. |

GENESYS[™] GSP15kW SERIES SPECIFICATIONS

| OUTPUT RATING | (| GSP | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 | 300-51 | 400-39 | 500-30 | 600-25.5 |
|--|--|---|---|--|--|--|--|--|---|--|--|--|--|---|--|---------------------------|
| 1.Rated output voltage(*1) | | V | 10-1300 | 20-750 | 30-310 | 40-575 | 50-500 | 60 | 80 | 100-150 | 150-102 | 200-75 | 300-31 | 400-39 | 500-50 | 600-25.5 |
| 2.Rated output current (*2) | | A | 1500 (*3) | 750 | 510 | 375 | 300 | 255 | 195 | 150 | 102 | 75 | 51 | 39 | 30 | 25.5 |
| 3.Rated output power | | kW | 15 | 15 | 15.3 | 15 | 15 | 15.3 | 15.6 | 15 | 15.3 | 15 | 15.3 | 15.6 | 15 | 15.3 |
| INPUT CHARACTERISTICS | | ۷ | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
| 1.Input voltage/freq. 3 phase, 3 wire + Groun | nd (*4) | [| 3-Phase, 2 3-Phase, 4 | 00V mode | els: 342~4 | 60Vac, 47 | ~63Hz (Co | vers 380/ | /400/415Va | | | | | | | |
| 2. Maximum Input current at | 200V models: 100V models: | | 52.5A @ 20 | 3-Phase, 480V models: 342~528Vac, 47~63Hz (Covers 380/400/415/440/460/480Vac) 52.5A @ 200Vac 27.6A @ 380Vac | | | | | | | | | | | | |
| | 180V models: | [| 27.6A @ 38 | 30Vac | | | | | | | | | | | | |
| 3.Power Factor (Typ) | | | 0.94 @ 200 | | | | | | 1 | | | | | | | |
| 4.Efficiency (Typ) (*5) (*22) 5.Inrush current (*6) | | % A | 89 (*21) Less than | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 92 | 92 | 91 | 92 |
| 6.AC line phase imbalance | | % | < 5% | IJUA | | | | | | | | | | | | |
| CONSTANT VOLTAGE MODE | | V | | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
| 1.Max. Line regulation (*7) | | | 10 0.01% of ra | | | | 50 | 00 | 80 | 100 | 150 | 200 | 500 | 400 | 500 | 600 |
| 2.Max. Load regulation (*8) | | | 0.01% of ra | | | | | | | | | | | | | |
| 3.Ripple and noise (p-p, 20MHz) (*9) | | mV | 75 | 75 | 75 | 75 | 75 | 75 | 80 | 90 | 120 | 200 | 200 | 400 | 450 | 480 |
| 4.Ripple r.m.s. 5Hz~1MHz (*9) | | mV | 8 | 10 | 12 | 12 | 12 | 12 | 15 | 15 | 20 | 45 | 60 | 80 | 80 | 100 |
| 5.Temperature coefficient | PF | PM/°C | 50PPM/°C | from rate | d output v | , oltage, fo | ollowing 3 | 0 minute | s warm-up | | | | | | | |
| 6.Temperature stability | | | 0.01% of ra | | | | - | | | | | d & temp. | - | | | |
| 7. Warm-up drift | | | Less than | 1 | | | 1 | 1 | 1 | | 1 | - | - | - | - | - |
| 8.Remote sense compensation/wire (*10) | | V mS | 2 30 | 2 30 | 5 30 | 5 30 | 5 50 | 5 | 5 | 5 50 | 5 50 | 5 50 | 5 50 | 5 | 5 | 5 |
| 9.Up-prog. Response time (*11) | | ms mS | 50 | 50 | 30 80 | 30 80 | 80 | 80 | 100 | 100 | 100 | 100 | 100 | 100 | 200 | 200 |
| | | mS | 300 | 600 | 800 | 900 | 950 | 1000 | 1200 | 1900 | 2000 | 2500 | 3000 | 4000 | 4000 | 3000 |
| | | | Time for o | utput vol | tage to red | over with | in 0.5% o | f its rated | output for | a load ch | ange 10~ | 90% of rat | ed outpu | | | |
| 11.Transient response time | | mS | 10~100%, | Local sen | se. Less th | an 1mS, fe | or models | up to and | lincluding | 100V. 2m | S, for mo | dels above | 100V. | | | |
| 12Start up delay | ! | Sec | Less than 7 | 7 Sec | | | | | | | | | | | | |
| CONSTANT CURRENT MODE | | ۷ | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
| 1.Max. Line regulation (*7) | | | 0.05% of ra | ated outp | ut current | | | | | | | | | | | |
| 2.Max. Load regulation (*13) | | | 0.08% of r | ated outp | ut current | | | | | | | | | | | |
| 3.Ripple r.m.s. @ 10% rated voltage B.W 5Hz | | mA | 2000 | 1200 | 600 | 300 | 250 | 180 | 100 | 70 | 45 | 45 | 15 | 15 | 12 | 10 |
| 4.Ripple r.m.s. @ 100% rated voltage. B.W 5Hz~1M | MHz. (TA 25°C) | mA | 1200 | 700 | 300 | 150 | 130 | 90 | 60 | 35 | 23 | 23 | 7.5 | 7.5 | 8 | 6 |
| 5.Temperature coefficient | PF | M/°C | 10V~100V | | | | | | ing 30 mir ng 30 minu | | | | | | | |
| 6.Temperature stability | | | 0.01% of ra | | | | | | - | | | & tomno | raturo | | | |
| | | | 10V~100V | | | | | | | | | | | | | |
| 7. Warm-up drift | | | 150V~600 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ANALOG PROGRAMMING AND MONITORIN | | | | T) | | | | | | | | | | | | |
| ANALOG PROGRAMMING AND MONITORIN | IG (ISOLATED FR | | | | -10V user | selectable | | | | | | | | | | |
| 1.Vout voltage programming | | | 0~100%, 0 | ~5V or 0~ | | | e. Accurac | y and line | arity: +/-0 | .15% of ra | ted Vout. | | | | | |
| | | | | ~5V or 0~ ~5V or 0~ | -10V, user | selectable | e. Accurac e. Accurac | y and line y and line | arity: +/-0 arity: +/-0 | .15% of ra .4% of rate | ted Vout. ed lout. | | · · | | | |
| 1.Vout voltage programming 2.lout voltage programming (*15) | | | 0~100%, 0 0~100%, 0 | ~5V or 0~ ~5V or 0~ ~5/10Koł | -10V, user nm full sca | selectable le, user se | e. Accurac e. Accurac electable. | y and line y and line Accuracy | arity: +/-0 arity: +/-0 and lineari | 15% of ra 4% of rate | ted Vout. ed lout. % of rated | l Vout. | | | | |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0 ⁻ | ~5V or 0~ ~5V or 0~ ~5/10Koł ~5/10Koł ~10V, user | 10V, user im full sca im full sca selectabl | selectable le, user se le, user se e. Accurae | e. Accurac e. Accurac electable. / electable. / cy: +/-0.5% | y and line y and line Accuracy Accuracy 6 of rated | arity: +/-0 arity: +/-0 and lineari and lineari Vout. | 15% of ra 4% of rate | ted Vout. ed lout. % of rated | l Vout. | | | | |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming 4.lout resistor programming (*15) | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 | ~5V or 0~ ~5V or 0~ ~5/10Koł ~5/10Koł ~10V, user | 10V, user im full sca im full sca selectabl | selectable le, user se le, user se e. Accurae | e. Accurac e. Accurac electable. / electable. / cy: +/-0.5% | y and line y and line Accuracy Accuracy 6 of rated | arity: +/-0 arity: +/-0 and lineari and lineari Vout. | 15% of ra 4% of rate | ted Vout. ed lout. % of rated | l Vout. | | | | |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0 ⁻ | ~5V or 0~ ~5V or 0~ ~5/10Koł ~5/10Koł ~10V, user | 10V, user im full sca im full sca selectabl | selectable le, user se le, user se e. Accurae | e. Accurac e. Accurac electable. / electable. / cy: +/-0.5% | y and line y and line Accuracy Accuracy 6 of rated | arity: +/-0 arity: +/-0 and lineari and lineari Vout. | 15% of ra 4% of rate | ted Vout. ed lout. % of rated | l Vout. | | | | |
| 1.Vout voltage programming 2.lout voltage programming 3.Vout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0 0~5V or 0 Power sup | | -10V, user am full sca am full sca selectabl selectabl ut monitor | selectable le, user se le, user se e. Accurac e. Accurac . Open co | e. Accurac e. Accurac electable electable cy: +/-0.59 cy: +/-0.59 cy: +/-0.59 | y and line y and line Accuracy Accuracy 6 of rated 6. of rated utput On: | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu | .15% of rat .4% of rate ity: +/-0.5 ity: +/-0.5 | ted Vout. ed lout. % of rated % of rated Maximun | l Vout. I lout. n Voltage: | | | Current: | 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output voltage monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal | 1 THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0 0~5V or 0 0~5V or 0 Power sup CV/CC Mo | 5V or 0- 5V or 0- 5/10Koh 5/10Koh 10V, user 10V, user 10V, user | 10V, user im full sca selectabli selectabli ut monitor en collecto | selectable le, user se le, user se e. Accurac e. Accurac c. Open co r. CC mod | e. Accurac e. Accurac flectable. / flectable. / flectable. / flectable. / flectable. / flector. Ou flector. Ou flector. Ou | y and line y and line Accuracy 6 of rated 6. of rated utput On: mode: Of | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. On. Outpu f. Maximu | .15% of rai .4% of ratu ity: +/-0.5' ity: +/-0.5' it Off: Off. m Voltage | ted Vout. ed lout. % of rated % of rated Maximun 2007, Max | l Vout. l lout. n Voltage: cimum Sin | k Current | : 10mA. | | |
| 1.Vout voltage programming 2.lout voltage programming 3.Vout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control | ITHE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0 0~5V or 0 0~5V or 0 Power sup CV/CC Mo Enable/Dis | 5V or 0~ 5/10Koh 5/10Koh -10V, user -10V, user -10V, user -10V, user -10V, user -10V, user -10V, user -10V, user -10V, user -10V, user | 10V, user im full sca selectable selectable ut monitor in collecto log progra | selectable le, user se le, user se e. Accurac e. Accurac c. Open co r. CC moc amming c | e. Accurac e. Accurac electable. i electable. i cy: +/-0.5% cy: +/-0.5% cy: +/-0.5% cy: +/-0.5% cy: | y and line y and line Accuracy Accuracy 6 of rated 6. of rated tput On: mode: Of electrical | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximu signal or d | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: | ted Vout. ed lout. % of rated % of rated Maximun 2: 30V, Max t. Remote | l Vout. l lout. n Voltage: iimum Sin : 0~0.6V o | k Current r short. Lo | : 10mA. ocal: 2~30\ | / or open. | |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal | ITHE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Mo Enable/Dis analog pro | ~5V or 0~ ~5V or 0~ ~5/10Koh ~5/10Koh ~10V, user ~10V, user | 10V, user nm full sca selectabl selectabl ut monitor n collecto log progra g control i | selectable le, user se e. Accurac e. Accurac c. Open co r. CC moc amming c monitor si | e. Accurac e. Accurac electable electable cy: +/-0.59 cy: +/-0.59 cy: +/-0.59 llector. Ou le: On. CV ontrol by e gnal. Ope | y and line y and line Accuracy Accuracy 6 of rated 6. of rated utput On: mode: Of electrical n collecto | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. On. Outpu f. Maximu signal or d r. Remote: | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: contac On Local: | ted Vout. ed lout. % of rated % of rated Maximun 2: 30V, Max t. Remote : Off. Maxin | l Vout. I lout. n Voltage: kimum Sin : 0~0.6V o mum Volta | k Current r short. Lo age: 30V, N | : 10mA. ocal: 2~30\ Maximum S | / or open. | |
| 1.Vout voltage programming 2.lout voltage programming 3.Vout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control | 1THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Moi Enable/Dii analog pro Enable/Dii | ~5V or 0~ ~5V or 0~ ~5/10Koh ~5/10Koh ~10V, user ~10V, user ply outpunitor. Ope sable analogrammin sable PS c | 10V, user im full sca im full sca selectabl selectabl ut monitor en collecto log progra g control i utput by e | selectable le, user se le, user se e. Accurac e. Accurac . Open co r. CC moc mming c monitor si electrical | e. Accurac e. Accurac e. lectable electable electable y: +/-0.59 y: +/-0.59 llector. Ou le: On. CV ontrol by o gnal. Ope signal or c | y and line y and line Accuracy & of rated & of rated & of rated utput On: mode: Of electrical n collecto dry contac | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. On. Outpu f. Maximui signal or d r. Remote: tt. 0~0.6V of | 15% of rat 4% of rat ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -/-0.5' ity: -/-0. | ted Vout. ed lout. % of rated % of rated Maximun 20V, Maxi t. Remote Off. Maxii ~30V or o | l Vout. I lout. n Voltage: kimum Sin : 0~0.6V o mum Volta pen. User | k Current r short. Lo age: 30V, M selectable | : 10mA. ocal: 2~30\ Aaximum S e logic. | / or open. | |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal | 1 THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Mo Enable/Dis analog pro | ~5V or 0~ ~5V or 0~ ~5/10Koh ~5/10Koh ~10V, user ~10V, user ~10V, user ply outpunitor. Ope sable ana ogrammin sable PS o sable PS o | 10V, user im full sca selectabl selectabl it monitor in collecto log progra g control i output by e output by e | selectable le, user se le, user se e. Accurace e. Accurace . Open co rr. CC moc umming co monitor si electrical electrical | e. Accurac e. Accurac lectable lectable cy: +/-0.59 y: +/-0.59 llector. Ou le: On. CV ontrol by (gnal. Ope signal or c signal or c | y and line y and line Accuracy 6 of rated 6. of rated utput On: mode: Of electrical n collecto dry contac | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximu f. Maximu signal or d r. Remote: t. 0~0.6V of t. Remote: | 15% of rat 4% of rat ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -0.5' off. Off. On Local: or short, 2 : 0~0.6V off. | ted Vout. ed lout. % of rated % of rated % of rated % of rated 2007 All the second to | l Vout. l lout. i Voltage: kimum Sin : 0~0.6V o mum Voltz pen. User ocal: 2~30\ | k Current r short. Lo age: 30V, M selectable / or open. | : 10mA. ocal: 2~30\ Maximum S e logic. | / or open. | |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals | 1THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum | ->5V or 0- ->5V or 0- ->5/10Koh ->5/10Koh ->5/10Koh ->10V, user -10V, us | 10V, user am full sca am full sca selectabl selectabl ut monitor en collecto log progra g control r uutput by e grammab input volt | selectable le, user se le, user se e. Accurace e. Accurace . Open co r. CC moc monitor si electrical electrical lectrical lesignals. age = 0.8 | e. Accurac e. Accurac lectable. dectable. cy: +/-0.5% cy: +/-0.5% llector. Ou le: On. CV ontrol by o gnal. Ope signal or c signal or c signal or c Maximur V.Minimuu | y and line y and line Accuracy 6 of rated 6. of rated 14put On: mode: Of electrical n collecto fry contac fry contac n voltage m high lev | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximus signal or d r. Remote: ct. 0~0.6V o tt. Remote: 25V, Maxin e linput v | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -/-0.5' ity: -/-0.5' ity: -/-0.5' or contac On. Local: or short, 2 : 0~-0.6V o num sink oltage = 2 | ted Vout. ed lout. % of rated % of rated maximum 2 30V, May t. Remote COff. Maxii ~30V or o r short. Lc current 10 | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6.INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals | ITHE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Mo Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n | ->SV or 0- ->SV or 0- ->S/10Koh ->S/10Koh ->T0V, user ->T0V, user -> -> -> -> -> -> -> -> -> -> -> -> -> | 10V, user am full sca selectabl selectabl ut monitor n collecto log progra g control i nutput by e grammab input volt Tr,Tf=1us l | selectable le, user se le, user se e. Accurace e. Accurace . Open co . Open co . r. CC moc monitor si electrical electrical electrical le signals. age = 0.8 Waximum | e. Accurac e. Accurac electable electable electable ery: +/-0.5% cy: +/-0.5% ery: +/-0.5% ery: +/-0.5% ery: -/-0.5% ery: -/-0. | y and line y and line Accuracy 6 of rated 6. of rated 6. of rated 7. unde: Of electrical n collecto fry contac fry contac n voltage n high lewe | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximus signal or d r. Remote: ct. 0~0.6V o tt. Remote: 25V, Maxin e linput v | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -/-0.5' ity: -/-0.5' ity: -/-0.5' or contac On. Local: or short, 2 : 0~-0.6V o num sink oltage = 2 | ted Vout. ed lout. % of rated % of rated maximum 2 30V, May t. Remote COff. Maxii ~30V or o r short. Lc current 10 | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming 4.lout resistor programming 4.lout resistor programming 6.Output voltage monitor (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal | ITHE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Power sup CV/CC Moi Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric | ->5V or 0- ->5V or 0- ->5/10Koh ->5/10Koh ->10V, user ->10V, user | 10V, user am full sca selectabl selectabl ut monitor n collecto log progra g control i nutput by e grammab grammab input volt Tr,Tf=1us l e: 0~0.6V/2 | selectable le, user se le, user se e. Accurace e. Accurace a. Open co r. CC moo mming co monitor si electrical le signals. age = 0.8 Maximum 2~30V or 0 | e. Accurac e. Accurac electable electable electable elector. Ou lector. Ou le: On. CV ontrol by o gnal. Ope signal or c signal or c Maximur V, Min dela dry contac | y and line y and line Accuracy 6 of rated 6. of rated 6. of rated 7. unde: Of electrical n collecto fry contac fry contac n voltage n high lewe | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximus signal or d r. Remote: ct. 0~0.6V o tt. Remote: 25V, Maxin e linput v | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -/-0.5' ity: -/-0.5' ity: -/-0.5' or contac On. Local: or short, 2 : 0~-0.6V o num sink oltage = 2 | ted Vout. ed lout. % of rated % of rated maximum 2 30V, May t. Remote COff. Maxii ~30V or o r short. Lc current 10 | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal | ITHE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Mo Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n | ->5V or 0- ->5V or 0- ->5/10Koh ->5/10Koh ->10V, user ->10V, user | 10V, user am full sca selectabl selectabl ut monitor n collecto log progra g control i nutput by e grammab grammab input volt Tr,Tf=1us l e: 0~0.6V/2 | selectable le, user se le, user se e. Accurace e. Accurace a. Open co r. CC moo mming co monitor si electrical le signals. age = 0.8 Maximum 2~30V or 0 | e. Accurac e. Accurac electable electable electable elector. Ou lector. Ou le: On. CV ontrol by o gnal. Ope signal or c signal or c Maximur V, Min dela dry contac | y and line y and line Accuracy 6 of rated 6. of rated 6. of rated 7. unde: Of electrical n collecto fry contac fry contac n voltage n high lewe | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximus signal or d r. Remote: ct. 0~0.6V o tt. Remote: 25V, Maxin e linput v | 15% of rat 4% of rate ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: -/-0.5' ity: -/-0.5' ity: -/-0.5' or contac On. Local: or short, 2 : 0~-0.6V o num sink oltage = 2 | ted Vout. ed lout. % of rated % of rated maximum 2 30V, May t. Remote COff. Maxii ~30V or o r short. Lc current 10 | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout resistor programming 4.lout resistor programming 4.lout resistor programming 4.lout resistor programming 4.lout resistor programming 6.Output voltage monitor (*15) 5.Output voltage monitor (*15) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10u sn By electric 4~5V=OK, | SV or 0- SV or 0- S710Koh S710Koh T0V, user -10V, u | 10V, user Im full sca m full sca selectabl selectabl is electabl is collector in collector g control n output by e grammab input volt Tr,Tf=1us l a: c~0.6V// hm imped | selectable le, user se le, user se e. Accurace e. Accurace of the second second second second second second second second second second second | e. Accurace e. Acc | y and line y and line Accuracy & of rated & of rated & of rated atput On: mode: Of electrical n collecto iny contac n voltage m high lev y betwee ct. | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximur signal or d r. Remote: t. 0~0.6V tt. Remote: 25V, Maxir vel input v n 2 pulses | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ty: -0.5' m Voltage ry contac On. Local: or short, 2 : 0~0.6V o num sink oltage = 2 1ms. | ted Vout. ed lout. % of rated % of rated % of rated t. Remote 2007. Maxi 2007. Maxi 2007 | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Power sup CV/CC Moi Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Bable/Di | SV or 0- SV or 0- SJ or 0- SJ 0Kol SJ 0Kol SJ 0Kol J 0V, user -10V, u | -10V, user Im full sca selectable selectable at monitor in collecta log progra g control i output by o input volt Tr,Tf=1us l :: 0~0.6V/v hm imped (4) identic | selectable le, user se le, user se e. Accurace e. Accurace of the second second second second second second second second second second second | e. Accurace e. Acc | y and line y and line Accuracy & of rated & of rated & of rated atput On: mode: Of electrical n collecto iny contac n voltage m high lev y betwee ct. | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximur signal or d r. Remote: t. 0~0.6V tt. Remote: 25V, Maxir vel input v n 2 pulses | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ty: -0.5' m Voltage ry contac On. Local: or short, 2 : 0~0.6V o num sink oltage = 2 1ms. | ted Vout. ed lout. % of rated % o | l Vout. l lout. l lout. imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30V DOMA (Shu | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Power sup CV/CC Moi Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric 4~5V=OK, Possible, L Consult wi | SV or 0- SV or 0- S/10Koł S/10Koł Oy, user -10V, us | -10V, user Im full sca Im full sca selectabl selectabl is selectabl it monitor in collecto log progra g control I iutput by e input volt Tr,Tf=1us I a: 0~0.6V// hm imped (4) identic y | selectable le, user se le, user se e. Accurace e. Accurace . Open co or, r. CC moc umming c monitor si electrical electrical electrical electrical electrical electrical electrical ance)=Fa mance)=Fa | e. Accurac e. Accurac lectable lectable lectable lector. Out e | y and line y and line Accuracy Accuracy & of rated 6. of rated utput On: mode: Of electrical n collecto dry contac dry contac dry contac ry contac ry contac try cont | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin rel input v. n 2 pulses | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' nv Contage ry contac or short, 2 0~-0.6V on num sink oltage = 2 1ms. | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 0 ff.Maximun ~30V or o r short. Lc current 10 .5V, Maximun 10 .5V, Maximun Factory. | l Vout. I lout. in Voltage: imum Sin : 0~0.6V o mum Volta pen. User ocal: 2~30 00mA (Shu num high | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 | : 10mA. ocal: 2~30\ Maximum S e logic. 27V zener) | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 3. Daisy chain | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric 4~5V=OK, Possible, L Consult wi Power sup | →SV or 0~ →SV or 0~ →S/10Koł →S/10Koł →S/10Koł →10V, user →10V, user | -10V, user -10V, | selectable le, user se le, user se e. Accurate e. Accurate construction selectrical electrical electrical electrical electrical electrical electrical electrical electrical age = 0.8 Maximum 2~30V or r alance)=Fa | e. Accurac e. Accurac e. Accurac e. Iectable :y: +/-0.59 Ilector. Ot Ilector. Ot Ilector. Ot Ilector. Ot Ilector. Ot ontrol by o gnal. Ope signal or c signal or c signal or c signal or c signal or c isignal or c signal or c isignal or c isignal or c signal or c isignal or c signal or c isignal or c isignal or c signal or c isignal or c signal or c signal or c isignal or c signal or c signal or c isignal or c signal or c | y and line y and line Accuracy Accuracy & of rated & of rated to a frated autput On: mode: Of electrical n collecto fry contac fry c | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. Ilout. On. Output f. Maximuu signal or d r. Remote: 25V, Maxir vel input v n 2 pulses r please co onize their | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2.30V or or r short. Lo current 10 2.5V, Maxin 1.5V, Maxin 1.5V, Maxin | l Vout. I lout. in Voltage: kimum Sin : 0~0.6V o mum Volta pen. User pocal: 2~300 00mA (Shu mum high | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 level inpu | : 10mA. bcal: 2~30\ Maximum 9 e logic. 27V zener) ut = 5V po | / or open. Sink Curre | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout voltage programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di Enable/Di Enable/Di Enable/Di Enable/Di Enable/Di: Enable/Di | →SV or 0→ →SV or 0→ →SV or 0→ →S/10Koł →S/10Koł →10V, user →10V, use | -10V, user Im full sca selectable selectable at monitor in collector log progra g control i input by e grammab input volt Tr.Tf=1us J e: 0~0.6V/? hm imped (4) identicy yb connector be connector connecto | selectable le, user se le, user se le, user se e. Accurae . Open co . Open co . C moc monitor si electrical el | e. Accurace e. Acc | y and line y and line Accuracy & of rated 6. of rated atput On: mode: Of electrical n collecto fry contac ry contac ry contac ry ottage m high lev y betwee ct. | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. On. Outpu f. Maximur signal or d r. Remote: t. 0~0.6V t. Remote: 25V, Maxir vel input v n 2 pulses r please co onize their nming via | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' of contactor on. Local: on. Lo | ted Vout. ed lout. % of rated % o | I Vout. I lout. in Voltage: cimum Sin 0~0.6V o mum Volta pen. User pocal: 2~30\ 00mA (Shu num high | k Current r short. Lc age: 30V, M selectable / or open. inted by 2 level inpu- | : 10mA. coal: 2~30\ Maximum 9 e logic. 27V zener) ut = 5V po ut = 5V po panel. | / or open. Sink Curre sitive edg | ent: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout voltage programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6.INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 5. Series operation 3. Daisy chain 4. Constant power control | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Bable/D | SV or 0- SV or 0- SV or 0- S/10KoH S/10KoH S/10KoH S/10KoH IOV, user IOV, user I | -10V, user -10V, | selectable le, user se le, user se e. Accurae e. Accurae . Open co . Open co . T. CC moc monitor si electrical electrical electrical electrical electrical signals. age = 0.8 Maximum 2~30V or lance)=Fa al GSP un cted in Da proggram sistance r | e. Accurace e. Acc | y and line y and line Accuracy & of rated & of rated & of rated & of rated atput On: mode: Of electrical n collecto n collecto n voltage m high lev y betwee ct. | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. On. Outpu f. Maximur signal or d r. Remote: t. 0~0.6V tt. Remote: 25V, Maxir vel input v n 2 pulses r please co ponize their nming via Programm | 15% of rate 4% of rate ty: +/-0.5' ty: +/-0.5' ty: +/-0.5' ty: +/-0.5' ty: +/-0.5' ty: -0.5' or contac- On. Local: or short, 2 co~0.6V of num sink oltage = 2 1ms. | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2000 for rated 2000 fo | I Vout. I lout. I lout. in Voltage: kimum Sin 0 ~ 0.6V o mum Volta pen. User pen. User pen. User pen. User pen. User pen. User num high ff. 1 ports or 1 nication pe | k Current r short. Lc sge: 30V, M selectable / or open. inted by 2 level inpu- level inpu- sector of ports or the | : 10mA. coal: 2~30\ Maximum 9 e logic. 27V zener) ut = 5V po ut = 5V po panel. e front pan | / or open. Sink Curre sitive edg | .nt: 10mA. .e trigger: |
| 1.Vout voltage programming 2.lout voltage programming 2.lout voltage programming 4.lout resistor programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6.INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 5. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enab | →SV or 0→ →SV or 0→ →SV or 0→ →S/10Koł →S/10Koł →T0V, user →10V, user | -10V, user -10V, | selectable le, user se le, user se le, user se e. Accurae e. Accurae comming c monitor si electrical electrica | e. Accurace e. Accurace e. Accurace lectable | y and line y and line Accuracy Accuracy & of rated & of rated & of rated the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft a | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. Ilout. On. Output f. Maximuu signal or dr r. Remote: 25V, Maxir vel input v. n 2 pulses r please co onize their nming via Programm ramming r. | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' notage ry contac On. Local: or short, 2 io~0.6V o num sink oltage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % o | I Vout. I lout. I lout. in Voltage: imum Volta pen. User peal: 2~300 00mA (Shu mum high ff. a ports or 1 ication pc 9 V/mSec. | k Current r short. Lc ige: 30V, N selectable / or open. inted by 2 level inputed by 2 level inputed ports or the or A/mSe | : 10mA. bcal: 2~30\ daximum S e logic. 27V zener) ut = 5V po ut = 5V po panel. e front pare ec. Program | / or open. Sink Curre | .nt: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming 2.lout voltage programming 4.lout resistor programming 4.lout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS OK #2 signal 5. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Power sup CV/CC Moi Enable/Di: Enable/Di: Possible. L Consult wi Power sup Limits the Emulates s Programm | →SV or 0→ →SV or 0→ →SV or 0→ →S/10Koł →S/10Koł →T0V, user →10V, user | -10V, user -10V, | selectable le, user se le, user se le, user se e. Accurae e. Accurae comming c monitor si electrical electrica | e. Accurace e. Accurace e. Accurace lectable | y and line y and line Accuracy Accuracy & of rated & of rated & of rated the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft a | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. Ilout. On. Output f. Maximuu signal or dr r. Remote: 25V, Maxir vel input v. n 2 pulses r please co onize their nming via Programm ramming r. | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' notage ry contac On. Local: or short, 2 io~0.6V o num sink oltage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % o | I Vout. I lout. I lout. in Voltage: imum Volta pen. User peal: 2~30\ 00mA (Shu mum high in ports or 1 ication pc 9 V/mSec. | k Current r short. Lc ige: 30V, N selectable / or open. inted by 2 level inputed by 2 level inputed ports or the or A/mSe | : 10mA. bcal: 2~30\ daximum S e logic. 27V zener) ut = 5V po ut = 5V po panel. e front pare ec. Program | / or open. Sink Curre | .nt: 10mA. |
| 1.Vout voltage programming (*15) 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) 5.GNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 4. Constant power control 3. Daisy chain 4. Constant power control 5. Slow rate control 7. Arbitrary waveforms | | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enab | →SV or 0→ →SV or 0→ →SV or 0→ →S/10Koł →S/10Koł →T0V, user →10V, user | -10V, user -10V, | selectable le, user se le, user se le, user se e. Accurae e. Accurae comming c monitor si electrical electrica | e. Accurace e. Accurace e. Accurace lectable | y and line y and line Accuracy Accuracy & of rated & of rated & of rated the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft and the soft a | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. Ilout. On. Output f. Maximuu signal or dr r. Remote: 25V, Maxir vel input v. n 2 pulses r please co onize their nming via Programm ramming r. | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' notage ry contac On. Local: or short, 2 : 0~0.6V o num sink oltage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % o | I Vout. I lout. I lout. in Voltage: imum Volta pen. User peal: 2~30\ 00mA (Shu mum high in ports or 1 ication pc 9 V/mSec. | k Current r short. Lc ige: 30V, N selectable / or open. inted by 2 level inputed by 2 level inputed ports or the or A/mSe | : 10mA. bcal: 2~30\ daximum S e logic. 27V zener) ut = 5V po ut = 5V po panel. e front pare ec. Program | / or open. Sink Curre | .nt: 10mA. |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5.ENABLE/DISABLE Signal 6.INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN RE323/485, Optional IEEE (*19)(*20) Interfat | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Enable/Di- Bable/Di- Enabl | SV or 0- SV or 0- SV or 0- S/10Koł S/10Koł -10V, user -10V, us | 10V, user m full sca selectabl- selectabl- selectabl- selectabl- selectabl- selectabl- selectabl- selectabl- g control in output by of grammab input volt y grammab input volt y or 0.6V/. hm imped (4) identice y be conneed power to a p stance. Re put rise and ts or the f steps can 30 | selectable le, user se le, user se le, user se e. Accurace accurace . Open co r. CC moc monitor si electrical | e. Accurac e. Accurac lectable lectable lectable lectable lector. Oc lector. Oc lector. Oc gnal. Ope signal or c signal or c s | y and line y and line Accuracy Accuracy & of rated 6. of rated 1. uput On: mode: Of electrical n collecto fry contac fry contac fry contac fry contac fry contac ry ontac fry contac the synchre e. Program 0000mΩ. F rate. Program | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin relinput vo n 2 pulses please co pnize their mming via roggamm ramming r. Activation | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~-0.6V on num sink oftage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2 30V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin a Factory. and turn-o nunicatior e commun 001~999.9 mand via t | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~300 Aaximum S e logic. 27V zener) ut = 5V po panel. e front pan ec. Program | / or open. iink Curre sitive edg el. nming via y the fron | e trigger: |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4.LOCAL/REMOTE Analog signal 5.ENABLE/DISABLE Signal 6.INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN R2322/485, Optional IEEE (*19)(*20) Interfe 1.Vout programming accuracy (*16) | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric 4~5V=0K, Possible. L Consult wi Power sup Limits the Emulates s Programm communia Profiles of 10 0.05% of ri | SV or 0- SV or 0- SV or 0- S/10Koł S/10Koł Oy, user -10V, us | 10V, user m full sca m full sca selectable selectable ut monitor n collecto log progra g control I nutput by of utput by of grammab input voltage (4) identic y be connece be connece be connece y be connece be conne | selectable le, user se le, user se le, user se e. Accurace accurace . Open co r. CC moc monitor si electrical | e. Accurac e. Accurac lectable lectable lectable lectable lector. Oc lector. Oc lector. Oc gnal. Ope signal or c signal or c s | y and line y and line Accuracy Accuracy & of rated 6. of rated 1. uput On: mode: Of electrical n collecto fry contac fry contac fry contac fry contac fry contac ry ontac fry contac the synchre e. Program 0000mΩ. F rate. Program | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin relinput vo n 2 pulses please co pnize their mming via roggamm ramming r. Activation | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~-0.6V on num sink oftage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2 30V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin a Factory. and turn-o nunicatior e commun 001~999.9 mand via t | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~300 Aaximum S e logic. 27V zener) ut = 5V po panel. e front pan ec. Program | / or open. iink Curre sitive edg el. nming via y the fron | e trigger: |
| I.Vout voltage programming 2.lout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 7. Experiment 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN RS232/485, Optional IEEE (*19)(*20) Interfit 1.Vout programming accuracy (*15) | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Enable/Di: Enab | SV or 0- SV or 0- SV or 0- S/10Koł S/10Koł S/10Koł I0V, user I0V, user I0V, user I0V, user I0V, user | 10V, user m full sca selectabl selectabl selectabl ut monitor in collector log progra g control r utput by e grammab input volt Tr,Tf=1us 1 2: 0~0.6V/ hm imped (4) identic y be connee pour to a p stance. Re pour to a p stance | selectable le, user se le, user se le, user se e. Accuraa e. Accuraa e. Accuraa i. Open co rr. CC moo monitor si electrical electric | e. Accurac e. Accurac lectable lectable lectable lectable lector. Oc lector. Oc lector. Oc gnal. Ope signal or c signal or c s | y and line y and line Accuracy Accuracy & of rated 6. of rated 1. uput On: mode: Of electrical n collecto fry contac fry contac fry contac fry contac fry contac ry ontac fry contac the synchre e. Program 0000mΩ. F rate. Program | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin relinput vo n 2 pulses please co pnize their mming via roggamm ramming r. Activation | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~-0.6V on num sink oftage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2 30V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin a Factory. and turn-o nunicatior e commun 001~999.9 mand via t | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~300 Aaximum S e logic. 27V zener) ut = 5V po panel. e front pan ec. Program | / or open. iink Curre sitive edg el. nming via y the fron | e trigger: |
| 1.Vout voltage programming 2.lout voltage programming 4.lout resistor programming 4.lout resistor programming 4.lout resistor programming 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN RS232/485, Optional IEEE (*19)(*20) Interfe 1.Vout programming accuracy (*16) | 1THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric 4~5V=0K, Possible. L Consult wi Power sup Limits the Emulates s Programm communia Profiles of 10 0.05% of ri | SV or 0- SV or 0- SV or 0- S/10KoH S/10KoH S/10KoH S/10KoH S/10KoH S/10KoH | 10V, user 10V, user | selectable le, user se le, user se le, user se e. Accurae e. Accurae copen co rr. CC moc amming c monitor si electrical e | e. Accurac e. Accurac lectable lectable lectable lectable lector. Oc lector. Oc lector. Oc gnal. Ope signal or c signal or c s | y and line y and line Accuracy Accuracy & of rated 6. of rated 1. uput On: mode: Of electrical n collecto fry contac fry contac fry contac fry contac fry contac ry ontac fry contac try contac try contac fry co | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin relinput vo n 2 pulses please co pnize their mming via roggamm ramming r. Activation | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~0.6V on num sink of tage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2 30V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin a Factory. and turn-o nunicatior e commun 001~999.9 mand via t | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~300 Aaximum S e logic. 27V zener) ut = 5V po panel. e front pan ec. Program | / or open. iink Curre sitive edg el. nming via y the fron | e trigger: |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) 5.GNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3.LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 4. Constant power control 5. Soutput resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN RS32/485, Optional IEEE (*19)(*20) Interfail 1.Vout programming accuracy (*15) 3.Vout programming accuracy (*15) | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~25V or 0- 0~5V or 0- 0~5V or 0- Enable/Di- Ena | SV or 0- SV or 0- | 10V, user m full sca m full sca selectabl selectabl selectabl full sca selectabl full sca selectabl selectabl geothrol i output by of grammab input volte grammab input voltage (4) identic y be connee power to a p stance. Re put rise an ts or the f steps can 30 ut voltage t current put voltage put voltage | selectable le, user se le, user se le, user se e. Accurace and the second second selectrical electr | e. Accurac e. Accurac lectable lectable lectable lectable lector. Oc lector. Oc lector. Oc gnal. Ope signal or c signal or c s | y and line y and line Accuracy Accuracy & of rated 6. of rated 1. uput On: mode: Of electrical n collecto fry contac fry contac fry contac fry contac fry contac ry ontac fry contac try contac try contac fry co | arity: +/-0 arity: +/-0 and lineari Vout. Ilout. On. Outpu f. Maximuu signal or dr. r. Remote: 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin 25V, Maxin relinput vo n 2 pulses please co pnize their mming via roggamm ramming r. Activation | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~0.6V on num sink of tage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % of rated % of rated % of rated % of rated 2 30V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin ~30V or o r short. Lc current 10 .5V, Maxin a Factory. and turn-o nunicatior e commun 001~999.9 mand via t | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~300 Aaximum S e logic. 27V zener) ut = 5V po panel. e front pan ec. Program | / or open. iink Curre sitive edg el. nming via y the fron | e trigger: |
| I.Vout voltage programming I.Vout voltage programming I.Jout voltage programming I.Jout resistor programming (*15) S.Output voltage monitor (*23) G.Output voltage monitor (*23) G.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM I. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal S.ENABLE/DISABLE Signal G. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS OK #2 signal VOUT/ONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAM RS232/485, Optional IEEE (*19)(*20) Interfa I.Vout programming accuracy (*15) 3.Vout programming resolution 4.lout programming resolution 4.lout programming resolution | I THE OUTPUT) | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- 0~5V or 0- Enable/Di: Enab | SV or 0- SV or 0- SV or 0- S/10Koł S/10Koł Oy, user -10V, us | 10V, user In full sca is selectable selectable selectable selectable is selectable is selectable is selectable is selectable is gelectable is gelectable is gelectable in collector in c | selectable le, user se le, user se le, user se e. Accuraa e. Accuraa comming c monitor si electrical electrica | e. Accurac e. Accurac e. Accurac lectable | y and line y and line Accuracy Accuracy & of rated & of rated utput On: mode: Of electrical n collecto fry contac fry con | arity: +/-0 arity: +/-0 and lineari and lineari Vout. I lout. I lout. On. Output f. Maximuu signal or dr f. Maximuu signal or dr f. Remote: 25V, Maxin r. Remote: 25V, Maxin vel input vv n 2 pulses r please co onize their nming via Programm ramming r. Activation 80 | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity:0.5' | ted Vout. ed lout. % of rated % o | I Vout. I lout. I lout. in Voltage: imum Sin : 0~0.6V o mum Volta pen. User pcal: 2~30 00mA (Shu num high 00mA (Shu num high ff. 1 ports or 1 nication po 9 V/mSec. he commu 200 | k Current r short. Lc nge: 30V, M selectable / or open. inted by 2 level input the front p orts or the or A/mSe inication 300 | : 10mA. ccal: 2~30\ Aaximum ! e logic. 27V zener) ut = 5V po panel. e front pane ec. Program ports or b 400 | / or open. Sink Curre sitive edg rel. mming via y the fron 500 | a the transl. |
| 1.Vout voltage programming 2.lout voltage programming (*15) 3.Vout resistor programming (*15) 5.Output voltage monitor (*23) 6.Output current monitor (*15) (*23) SIGNALS AND CONTROLS (ISOLATED FROM 1.Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE Signal 6. INTERLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Output resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN RS232/485, Optional IEEE (*19)(*20) Interfit 1.Vout programming accuracy (*16) 2.Jout programming resolution 4.Jout programming resolution 5.Vout readback accuracy | ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT) ITHE OUTPUT ITHE OUT | | 0~100%, 0 0~100%, 0 0~100%, 0 0~100%, 0 0~5V or 0- 0~5V or 0- Enable/Di: Enable/Di: Enable/Di: Enable/Di: Enable/Di: Two open Maximum tw=10us n By electric 4~5V=OK, Possible, L Consult wi Power sup Limits the Emulates s Programm comunia Profiles of 10 0.05% of ri 0.30% of a 0.002% of 0.002% of 0.005% of ri | SV or 0- SV or 0- SV or 0- S/10Koł S/10Koł Oy, user -10V, us | 10V, user m full sca isselectable selectable isselecta | selectable le, user se le, user se le, user se e. Accurace and the second second selectrical electr | e. Accurace e. Acc | y and line y and line Accuracy Accuracy & of rated 6. of rated intervention of the electrical n collecto fry contac fry | arity: +/-0 arity: +/-0 and lineari and lineari Vout. Ilout. On. Output f. Maximuu signal or dr. r. Remote: t. 0~0.6V (t. Remote: 25V, Maxir vel input v. n 2 pulses r please co onize their nming via Programm ramming r. Activatior 80 | 15% of rate 4% of rate ty: +/-0.5' ity: +/-0.5' ity: +/-0.5' ity: +/-0.5' or short, 2 0~-0.6V on num sink oftage = 2 1ms. nsult with turn-on a the comm ing via the ange: 0.00 | ted Vout. ed lout. % of rated % o | I Vout. I lout. I lout. in Voltage: imum Volta pen. User ocal: 2~30 DOmA (Shu mum high ff. n ports or 1 nication po 9 V/mSec. he commu | k Current r short. Lc gge: 30V, N selectable / or open. inted by 2 level input the front p orts or the or A/mSe | : 10mA. ccal: 2~30\ Aaximum 9 e logic. 27V zener) ut = 5V po panel. e front par c. Program ports or b 400 0.003% | / or open. Sink Curre sitive edg vel. nming via y the fron 500 0.003% | a the transl. 600 |

TDK·Lambda

GENESYS[™] GSP10kW/15kW SERIES SPECIFICATIONS

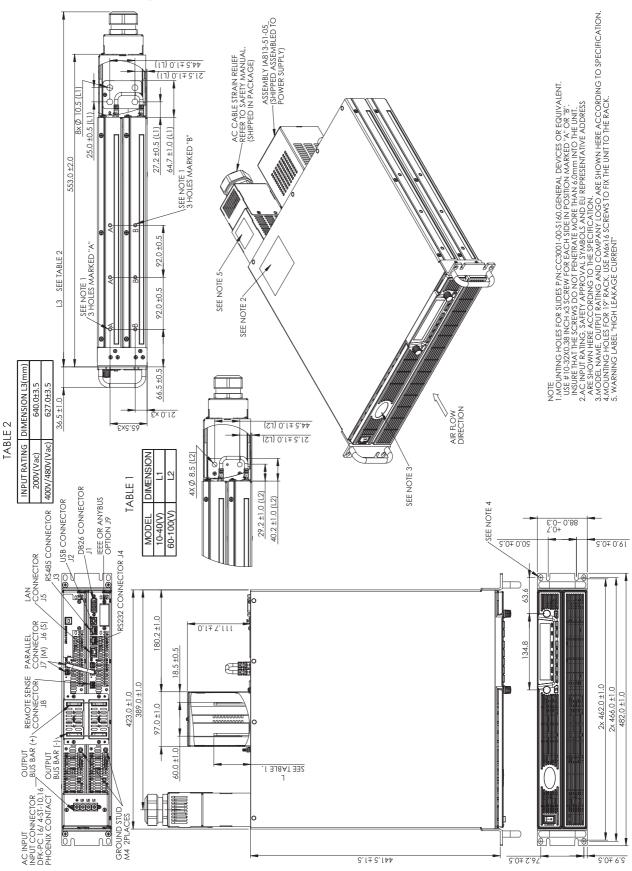
| PROTECTIVE FUNCTIONS | | V | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 2 | 200 | 300 | 400 | 500 | 600 |
|--|-----------|----|--|--|---|---|---|---|---|---|---|-------------------------|-------------------------|------------|-----------|-------------|----------|
| Foldback protection | | | Output shut-down when power supply changes mode from CV or Power Limit to CC mode or from CC or Power Limit to CV mode. User presetable. Reset by AC input recycle in autostart mode, by Power Switch, by OUTPUT button, by rear panel or by communication. | | | | | | | | | | | | | | |
| 2.Over-voltage protection (OVP) | | | | | | | recycle in a | | | | | | | | | | |
| 3.Over -voltage programming range | | V | 0.5~12 | 1~24 | 2~36 | 2~44.1 | 5~55.125 | 5~66.15 | 5~88.2 | 5~110.25 | 5 5~165.3 | 7 5~ | 220.5 | 5~330.75 | 5~441 | 5~551.25 | 5~661. |
| 4. Over-voltage programming accuracy | | | +/-1% of r | | | | | | | | | | | | | | |
| 5.Output under voltage limit (UVL) | | | Prevents from adjusting Vout below limit. Does not apply in analog programming. Preset by front panel or communication port. | | | | | | | | | | | | t. | | |
| 6.Over temperature protection | | | Shuts down the output. Auto recovery by autostart mode. | | | | | | | | | | | | | | |
| 7. Output under voltage limit (UVL) | | | Prevents adjustment of Vout below limit. | | | | | | | | | | | | | | |
| 8. Output under voltage protect | ion (UVP) | | Prevents a mode, by | adjustme Power Sv | nt of Vout vitch, by C | below lin OUTPUT b | nit. P.S outp utton, by re | out turns (ar panel) | Off during or by com | g under vo nmunicati | oltage cor on. | nditio | n. Rese | t by AC ii | nput recy | cle in auto | start |
| FRONT PANEL | | | | | | | | | | | | | | | | | |
| 1.Control functions | | | Multiple options with 2 Encoders | | | | | | | | | | | | | | |
| | | | Vout/lout/Power Limit manual adjust | | | | | | | | | | | | | | |
| | | | OVP/UVL/ | /UVP mar | nual adjust | t | | | | | | | | | | | |
| 2.Display | | | Protection Functions - OVP, UVL, UVP, Foldback, OCL, ENA, ILC | | | | | | | | | | | | | | |
| | | | Communication Functions - Selection of LAN, IEEE, RS232, RS485, USB or Optional communication interface. | | | | | | | | | | | | | | |
| | | | Output ON/OFF. Front Panel Lock. | | | | | | | | | | | | | | |
| | | | Communication Functions - Selection of Baud Rate, Address, IP and communication language. | | | | | | | | | | | | | | |
| | | | Analog Control Functions - Selection Voltage/resistive programming, 5V/10V, 5K/10K programming | | | | | | | | | | | | | | |
| | | | Analog Monitor Functions - Selection of Voltage/Current Monitoring 5V/10V. | | | | | | | | | | | | | | |
| | | | | | | | l output vo | | | | | | | | | | |
| | | | | lout: 4 digits, accuracy: 0.2% of rated output current +/-1 count. OUTPUT ON, ALARM, PREVIEW, FINE, COMMUNICATION, PROTECTION,CONFIGURATION, SYSTEM, SEQUENCER. | | | | | | | | | | | | | |
| 3.Front Panel Buttons Indications | | | | | | | | | | | | | | | | | |
| 4. Front Panel Display Indications | | | Voltage, Current, Power, CV, CC, CP, External Voltage, External Current, Address, LFP, Autostart, Safetstart, Foldback V/I, Remote (communication), RS/USB/LAN/IEEE communication, Trigger, Load/Store Cell. | | | | | | | | | | | | | | |
| ENVIRONMENTAL CONDITIONS | | | | | | | | | | | | | | | | | |
| 1.Operating temperature | | | 0~50°C, 100% load. | | | | | | | | | | | | | | |
| 2.Storage temperature | | | -30~85°C | | | | | | | | | | | | | | |
| 3.Operating humidity | | % | 20~90% F | RH (no co | ndensatio | n) | | | | | | | | | | | |
| 4.Storage humidity | | % | 10~95% R | | | . · | | | | | | | | | | | |
| 4.storage humidity 5.Altitude (*17) | | | - | | | | | | 0 | | 180/100- | | - 2000 | . New a | | 40000ft (1 | 2000> |
| | | | Operating | g: 10000ft | (3000m), | output cu | irrent derat | ing 2%/10 | Jumoria | derating | 1°C/100m | 1 abov | /e 2000 | m. Non c | perating | 40000ft (1 | 12000m). |
| MECHANICAL | | | 1 | | | | | | | | | | | | | | |
| 1.Cooling | | | Forced air | cooling | by interna | l fans. Air | flow direct | ion: from | Front pa | nel to pov | ver supply | y rear | | | | | |
| 2.Weight | GSP 10kW | kg | Less than | - | | | | | | | | | | | | | |
| 3.Dimensions (WxHxD) | GSP 10kW | mm | W: 423, H | :88, D:64 | | | rs and busb s and busba | | and strain | relief) (Re | fer to Out | line di | rawing) | | | | |
| 2.Weight | GSP 15kW | kg | Less than | 23.5kg. | | | | | | | | | | | | | |
| 3.Dimensions (WxHxD) | GSP 15kW | mm | W: 423, H W: 423, H | l: 132.5, [l: 132.5, [|): 441.5 (W): 640 (Inc | /ithout bu ludina bu | isbars and Isbars and I | busbars c busbars c | over), over. and | strain relie | ef) (Refer 1 | to Out | tline dr | awing). | | | |
| 4.Vibration | | | | | | | test conditi | | | | | | | <u>,</u> | | | |
| 5.Shock | | | | | | | is unpacked | | | | | | | | | | |
| | | | Leos than | 200/1101 | 51110/ 1111 | Seel Still | is unpuene | | | | | | | | | | |
| SAFETY/EMC | | | | | | | | | | | | | | | | | |
| 1.Applicable standards: | Safety | | | | | · · · | 61010-1, EN | | | | | | | | | | |
| 1.1. Interface classification | | | | | | | ł, J5, J6, J7, . ense) are h | | | | | | | | | n Hazardo | ous. |
| 1.2 Withstand voltage | | | Input - Gi 60V≤Vou Output & Output & 100V <vo Output &</vo | round: 28 t≤100V M J8 (sens J8 (sens ut≤600V J8 (sens J8 (sens | 335VDC Models: Ir se) - J1, J se) - Grou Models: se) - J1, J se) - Grou | 1min. 1put – Ou 2, J3, J4, 1nd: 1500 Input – O 2, J3, J4, 1nd: 2500 | J8 (sense J5, J6, J7 VDC 1min utput & J8 J5, J6, J7 VDC 1min | (sense), (& J9 (co , Input - ((sense), & J9 (co | J1, J2, J3 mmunica Ground: J J1, J2, J | 3, J4, J5, ation opti 2835VDC 3, J4, J5, | J6, J7 & ons): 850) 1min. J6, J7 ai | J9 (co)VDC nd J9 | ommur 1min. (comr | nication | options): | 4242VDC | ; 1min, |
| 1.3 Insulation resistance | | | GSP10kW | /15kW: 60 |) Mohm at | 25°C, 709 | %RH. Outp | ut to Grou | und 500\ | /DC | | | | | | | |
| 2.Conducted emmision | | | GSP10kW/15kW: 60 Mohm at 25°C, 70%RH. Output to Ground 500VDC IEC/EN61204-3 Industrial environment, Annex H table H.1 , FCC Part 15-A, VCCI-A. | | | | | | | | | | | | | | |
| 2.Conducted emmision | | | IEC/EN61204-3 Industrial environment, Annex H table H.3 and H4, FCC Part 15-A, VCCI-A. | | | | | | | | | | | | | | |
| 3.Radiated emission | | | | | | | | | | | | -A | | | | | |

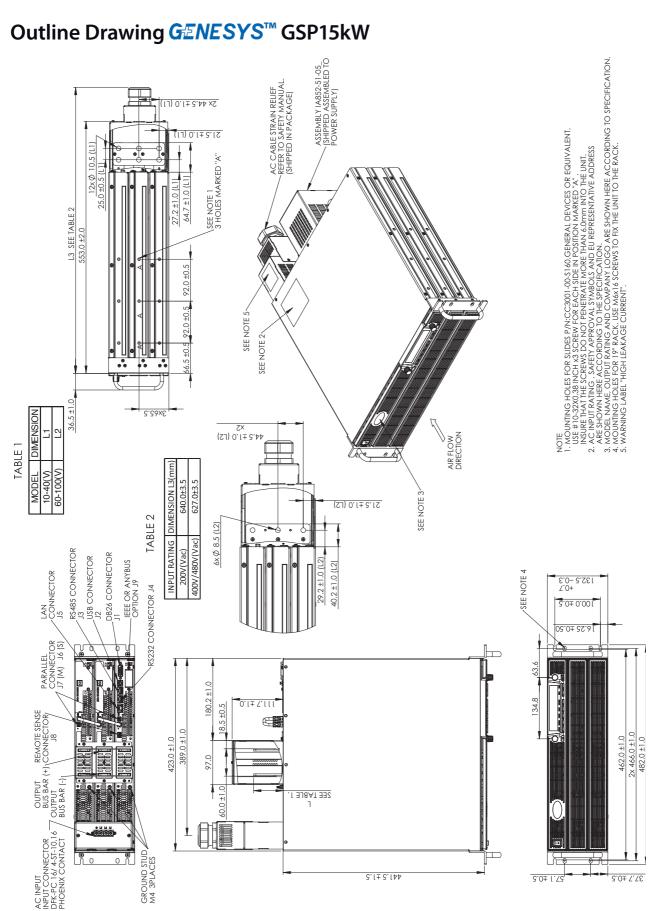
Unless otherwise noted, specifications are warranted over the ambient temperature range of 0° to 50° C.

"NOTES:

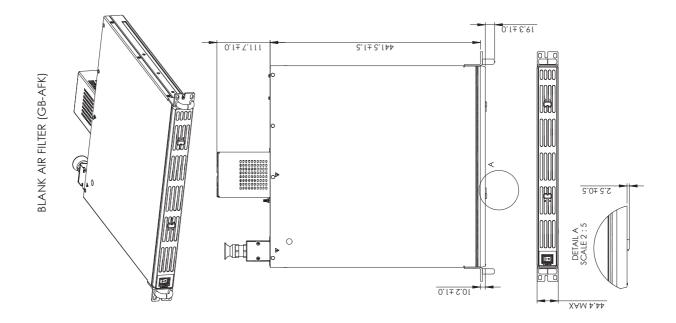
*NOTES:
*1: Minimum voltage is guaranteed to maximum 0.1% of rated output voltage.
*2: Minimum current is guaranteed to maximum 0.2% of rated output current.
*3: GSP 104W: Derate 10A/1°C above 40%C.
*4: For cases where conformance to various safety standards (UL, IEC, etc...) is required, to be described as 190-240Vac (50/60Hz) for 3-Phase
*5: 3-Phase 200V models: At 200Vac input voltage, 3-Phase 400/480V: At 380Vac input voltage. With rated output power.
*6: Not including EMI filter inrush current, less than 0.2MSec.
*7: 3-Phase 200V models: 170-265Vac, 3-Phase 400V models: 342-460Vac, 3-Phase 480V models: 342-528Vac. Constant load.
*8: From No-Load to Full-Load, constant input voltage. Measured at the sensing point in Remote Sense.
*9: For 10V-150V models: Measured with JETA RC-9131C (1:1) probe. For 200-600V models: Measured with 100:1 probe.
*10: The maximum voltage on the power supply terminals must not exceed the rated voltage.
*11: From 10% to 90% or 90% to 10% of Rated Output Voltage.
*13: For Iod voltage change, equal to the unit voltage rating, constant input voltage.
*14: For 10V model the ripple is measured at 2V and rated output current. For other models, the ripple is measured at 10% of rated output voltage. B.W 5Hz~1MHz.
*15: For 10V model ITa derating 2°C/100m."
*18: Signal and control ports interface cables length: Less than 3m, DC output power port cables length: Less than 30m.
*19:Max. ambient temperature for using IEEE is 40°C.
*20: SP10KW For 10W model only: Max. output current for using IEEE is 1200A up to 40°C and 300A up to 30°C.
*20: SSP10KW For 10W model only: Max. output current for using IEEE is 1200A up to 40°C and 3150A up to 30°C.
*21: For 10W model only: For 3-Phase 200V efficiency is 88.5%
*22: Typ. at Ta=25°C, rated output power.

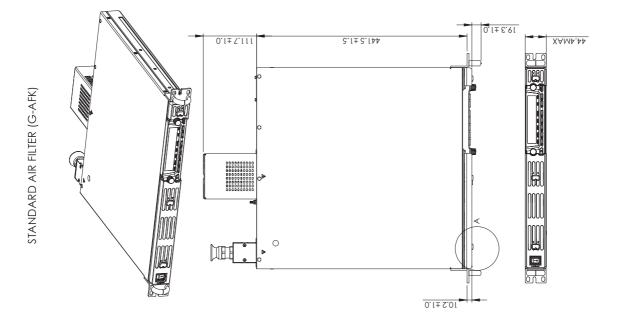
Outline Drawing GENESYS[™] GSP10kW





Outline Drawing GENESYS[™] Air Filter Kit





30

Front Panel Air Filter Assembly

Front panel dust cover is available for dusty air environment applications Dust cover is removable snap-in filter (for easy maintenance)

• Part Number (for standard unit) : G-AFK



• Part Number (for unit with blank front panel) : GB-AFK



For GSP 10kW/15kW series order part number: GSP10kW-AFK / GSP15kW-AFK

Accessories

1. Front Panel dust filter / Field installation kit:

Technical Specifications: Unit with Air Filter Assembly Installed

- Derating (environmental):
- Operating Temperature
 For all models (except 10V): 0°C to +40°C full load; For 10V model: 0°C to +30°C, derate 5A/°C for 30°C < Ta < +40°C
- Altitude
- For all models (except 10V): derate 2°C/100m or 2% of load/100m (above 2000m)
- For 10V model: derate 1°C/100m or 2% of load/100m (above 2000m)

Filter Foam Technical Specifications

- Material: reticulated polyurethane foam
- Thickness:3.8 mm
- Porosity: 45ppi
- Operating Temperature Range: 0°C to +60°C
- Storage Temperature Range: -40°C to +85°C
- Humidity: 95% RH

Air Filter Assembly Components

- Standard Unit (P/N: G-AFK)
- Air Filter Cover (two pieces)
 Slide Button #1 (two locations: near AC ON/OFF switch and near left-hand side of front panel display)
- Slide Button #2 (one location: right-hand side of front panel display)
- · Filter foam (two pieces)

Blank Front Panel Unit (P/N: GB-AFK)

- Air Filter Cover (one piece)
- Slide Button #1 (two locations) Filter foam (one piece)