HELIOS POWER SOLUTIONS

HPS-iSTS-B2

The Flexible Solution

Within a compact size of 2RU, the Model B2 features as standard a hot-swappable power module and integrated maintenance bypass enabling continuous power during servicing.

With up to 63A of three-phase or up to 125A single phase current capacity, this model is ideal for those needing more power in a small rack mount package.
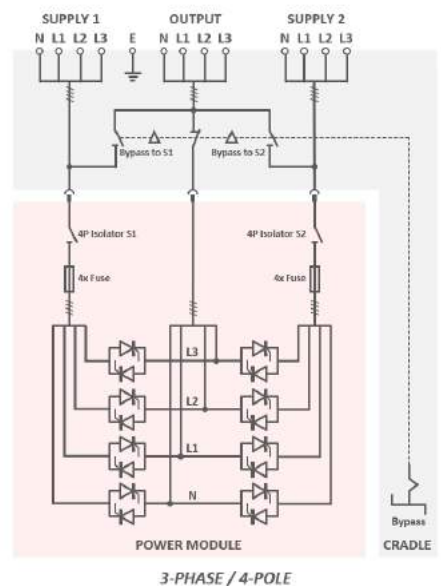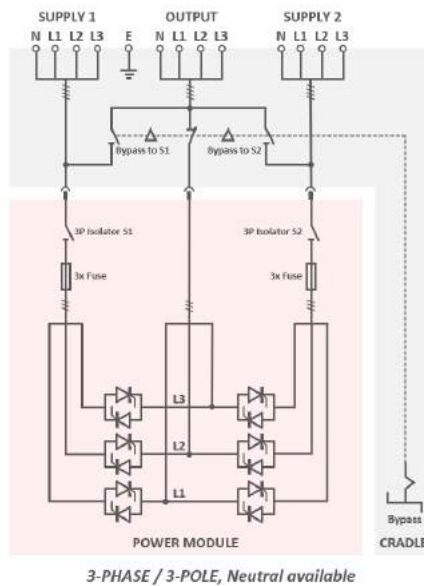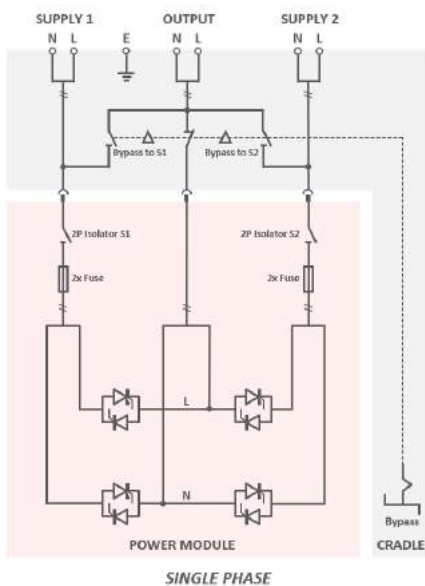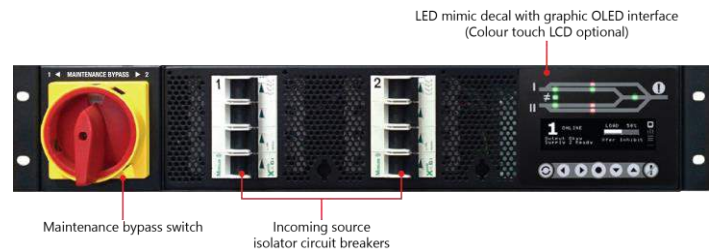
Key features

- Built-in transient voltage protection
- UPS Eco-Mode compatible
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- LED mimic decal with graphic OLED interface
- One touch transfers
- Visual and sound alarm
- Integrated web server
- Remote operation
- High-level interface - MODBUS, SNMP
- Email alerts
- Clock synchronisation with NTP
- Integrated maintenance bypass with hot socket field replaceable power module
- Incoming source isolator switches
- Redundant fan cooling
- Fixed wiring to input & output terminals for cable up to 16mm²
- 5 x voltage free contacts & remote inputs
- Australian designed & manufactured

REPLACEABLE POWER MODULE

Available options

- Colour touch LCD interface
- Back feed contactors
- Wall mount bracket

LED mimic decal with graphic OLED interface
(Colour touch LCD optional)

Maintenance bypass switch

Incoming source isolator circuit breakers

SINGLE PHASE

3-PHASE / 3-POLE, Neutral available

3-PHASE / 4-POLE

Current rating	1Ph: 125A max 3Ph: 63A max
Voltage rating	All region-specific voltages selectable ±10%
Type	1-Phase/2-Pole, 3-Phase/3-Pole or 3-Phase/4-Pole
Frequency	50Hz and 60Hz, ±10% - Auto detection
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR
Synchronous break time	<1ms - asynchronous break time up to ¼ cycle
MTBF	>800,000 hours
Maintenance bypass	Cradle with 3-position overlapping, no-break CAM switch
Isolation	Incoming sources isolator switches
Display	Bi-colour LED mimic decal with graphic OLED display and information interface
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	2 Self wetting transfer control inputs 5 Voltage free change-over status indicators, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP
Input options	Fixed wiring to terminals up to 16mm² cables via glands
Output options	Fixed wiring to terminals up to 16mm² cables via glands
Dimensions H x W x D	2RU/19" - 88 x 483 x 460mm
Weight	16kg
Temperature	$0 - 45°C$
IP rating	IP31
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	$134A_{RMS}$, 1600V, 2kA 1 cycle
Overload @40°C ambient	125A for 30s 140A for 1s 250A for 0.1s 2kA for 1 cycle
Fault current setting	350% peak with load fault transfer inhibit
Safe install environment	20kA, 100A/200A internally fused
Protection	100A/200A fuses - BS88/FE100
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3.5 : 1
dV/dt max	800V/µs
Cooling	Redundant fans
Humidity @40°C ambient	5 – 95% non-condensing
Regulatory approvals	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM - UL Capable - RoHS
Standard warranty	24 months offsite repair or replacement policy

Specifications are subject to change without notice