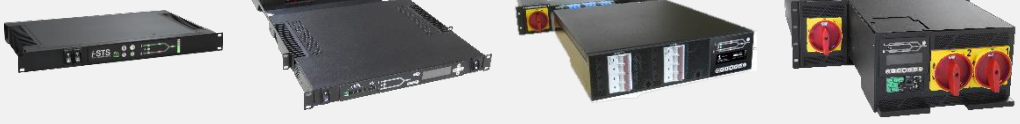
iSURFACE S3

STATIC POWER
SMART | SOLID | SAFE

With a MTBF of 800,000 hours, Static Power's iSURFACE S3 for Switchboards and wall mount are dedicated to applications requiring a high level of reliability.
iSURFACE S3 avoids critical equipment power supply disruptions by transparently changing to a secondary source in case of failure of the preferred..

Features

- Up to 250A, Single phase and 3 Phases
- For wall mount or switchboard integration
- Very high MTBF (>800,000 hours)
- IP42 – 45/55°C ambient
- HTTP, SNMP, MODBUS TCP, Email & NTP
- Manual, Automatic & Remote transfers selection
- Embedded controls for input's breaker tripping and
- Built-in transient voltage protection
- Top or Bottom Entry



HELIOS
POWER SOLUTIONS

heliosps.com

Australia
sales-au@heliosps.com
+61 2 7200 9200

Asia
sales@heliosps.asia
+65 6871 4140

New Zealand
sales-nz@heliosps.com
+64 9 835 0700

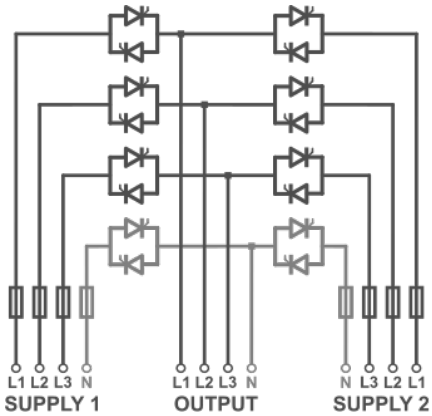
Middle East
sales@heliosps.asia
+971 4 401 8484

iSURFACE S3

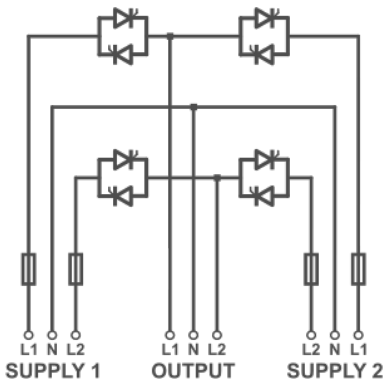
STATIC POWER
SMART | SOLID | SAFE

Current rating	Up to 250A
Voltage rating	All region-specific voltages selectable ±10%
Type	Single phase, 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	Synchronous break time up to ¼ cycle
MTBF	>800,000 hours
Display	Bi-colour LED mimic decal
Interface	Preferred supply selection, Source transfer selection and Alarm cancel buttons
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	Bolted terminals via glands
Output options	Bolted terminals via glands
Dimensions & Weight	W400 x H600 x D190mm – 15kg
Temperature	0 – 45/55°C
IP rating	IP42
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45/55°C ambient
Device ratings	$300A_{RMS}$, 5kA for 1 cycle
Overload @45°C ambient	125% for 10min 150% for 30s 200% for 1s 300% for 0.1s 5kA for 1 cycle
Fault current setting	300% peak with load fault transfer inhibit
Safe install environment	20kA, 300A internally fused
Protection	300A fuses
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3 : 1
dV/dt max	1000V/µs
Cooling	Passive up to 160A – Redundant fans up to 250A
Humidity @40°C ambient	5 – 95% non-condensing

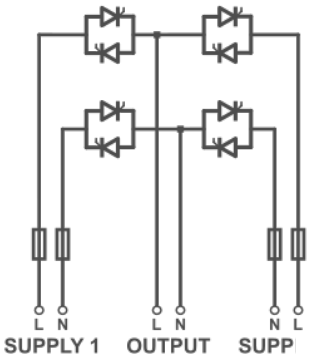
Specifications are subject to change without notice



3-Phase / 3&4-Pole



2-Phase / 3-Pole



Single Phase

AUSTRALIAN MADE

HELIOS POWER SOLUTIONS

heliosps.com

Australia
sales-au@heliosps.com
+61 2 7200 9200

Asia
sales@heliosps.asia
+65 6871 4140

New Zealand
sales-nz@heliosps.com
+64 9 835 0700

Middle East
sales@heliosps.asia
+971 4 401 8484