SURFACE S3









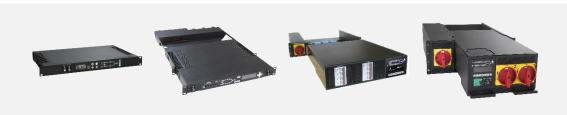
With a MTBF of 800,000 hours, Static Power's iSURFACE S3 for Switchboards and wall mount are dedicated to applications requiring a high level of reliability.

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





SURFACE S3



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 % cycle MTBF >800,000 hours Display Bi-colour LED mimic decal Interface Preferred supply selection, Source transfer selection and Alarm cancel buttons
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Interface Preferred supply selection, Source transfer selection and Alarm cancel buttons
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 $0-45/55^{\circ}C$
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
125% for 10min 200% for 1s
Overload @45°C ambient 150% for 30s 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

