

# 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



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Current rating	Up to 250A	
Voltage rating	All region-specific voltages selectable $\pm 10\%$	
Type	Single phase, 3-Phase/3-Pole or 3-Phase/4-Pole	
Frequency	50Hz and 60Hz, $\pm 10\%$ - Auto detection	
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR	
Synchronous break time	Synchronous break time up to $\frac{1}{4}$ 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 <sub>RMS</sub> , 5kA for 1 cycle	
Overload @45°C ambient	125% for 10min 150% for 30s	200% for 1s 300% for 0.1s
Fault current setting	5kA for 1 cycle	
Safe install environment	300% peak with load fault transfer inhibit 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/ $\mu$ s	
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

