

iSURFACE F3

**STATIC
POWER**
SMART | SOLID | SAFE

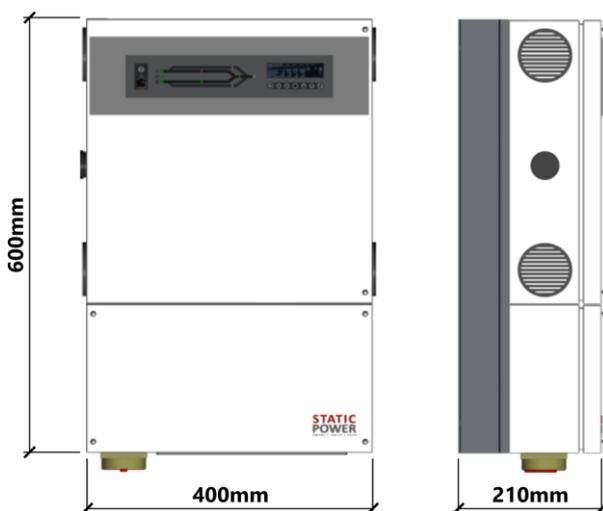


The IP54 rugged wall mounted iSTS

Superior in performance and ruggedness, the iSURFACE F3 is designed for tough environments where power availability is essential.

Key features

- Surface mounted
- IP54 - 55°C ambient
- Single, 3-phase, 3 or 4-pole
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- RCD site compatibility
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- Manual and automatic transfers selection
- Maintenance Bypass pad-lockable
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic & LCD Display
- 5 off Voltage free alarm contacts
- Remote transfer inputs
- Australian designed & manufactured



Available options

- Ethernet module for LAN/TCP, Modbus & SNMP
- Stainless steel enclosure



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Current rating	1Ph: 125A max 3Ph: 63A max
Voltage rating	All region-specific voltages ±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	<1ms - up to ¼ cycle
MTBF	>800,000 hours
Maintenance bypass	3-position overlapping, no-break CAM switch
Isolation	Incoming sources isolator switches
Display	Bi-colour LED mimic decal
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	2 Self wetting transfer control inputs 5 Pre-defined Voltage free change-over status indicators, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP - <i>Modbus RTU Optional</i>
Input termination	Lugged fixed wiring to M6/M8 terminals via glands
Output termination	Lugged fixed wiring to M6/M8 terminals via glands
Dimensions H x W x D	H600 x W400 x D210 mm
Weight	34kg
Temperature	0 – 55°C
IP rating	IP54
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @55°C ambient
Device ratings	134A _{RMS} , 1600V, 2kA 1 cycle
Overload @55°C ambient	110% for 10min 200% for 30s 125% for 2min 400% for 0.1s 150% for 60s 2kA for 1 cycle
Fault current setting	300% 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 : 1
dV/dt max	800V/µs
Cooling	Natural
Humidity @40°C ambient	5 – 95% non-condensing

Specifications are subject to change without notice

