

# iSURFACE F3

**STATIC  
POWER**  
SMART | SOLID | SAFE



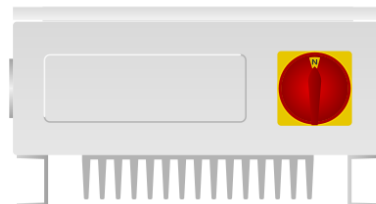
## The IP54 rugged wall mounted iSTS

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



## Available options

- Inputs and output breakers in segregated extension
- Ethernet module for LAN/TCP, Modbus & SNMP
- Stainless steel enclosure



## 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
- 5 off Voltage free alarm contacts
- Remote transfer inputs
- Australian designed & manufactured



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<b>Current rating</b>	1Ph: 125A max 3Ph: 63A max
<b>Voltage rating</b>	All region-specific voltages ±10%
<b>Type</b>	Single phase, 3-Phase/3-Pole or 3-Phase/4-Pole
<b>Frequency</b>	50Hz and 60Hz, ±10% - Auto detection
<b>Transfer type</b>	Break-Before-Make zero current transfer by Thyristors / SCR
<b>Synchronous break time</b>	<1ms - up to ¼ cycle
<b>MTBF</b>	>800,000 hours
<b>Maintenance bypass</b>	3-position overlapping, no-break CAM switch
<b>Isolation</b>	Incoming sources isolator switches
<b>Display</b>	Bi-colour LED mimic decal
<b>Interface</b>	Preferred supply selection, Source transfer selection and Alarm cancel button
<b>Contact</b>	2 Self wetting transfer control inputs 5 Pre-defined Voltage free change-over status indicators, Form C
<b>Ethernet</b>	HTTP, SNMP, MODBUS TCP, Email & NTP - <i>Modbus RTU Optional</i>
<b>Input termination</b>	Lugged fixed wiring to M6/M8 terminals via glands
<b>Output termination</b>	Lugged fixed wiring to M6/M8 terminals via glands
<b>Dimensions H x W x D</b>	H600 x W400 x D210 mm
<b>Weight</b>	34kg
<b>Temperature</b>	0 – 55°C
<b>IP rating</b>	IP54
<b>Detection</b>	Digital: <1ms
<b>Asynchronous break time</b>	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
<b>Loading</b>	0 - 100% @55°C ambient
<b>Device ratings</b>	134A <sub>RMS</sub> , 1600V, 2kA 1 cycle
<b>Overload @55°C ambient</b>	110% for 10min      200% for 30s 125% for 2min      400% for 0.1s 150% for 60s      2kA for 1 cycle
<b>Fault current setting</b>	300% peak with load fault transfer inhibit
<b>Safe install environment</b>	20kA, 100A/200A internally fused
<b>Protection</b>	100A/200A fuses - BS88/FE100
<b>Power factor</b>	No practical limit
<b>Max THDV</b>	10% - Max allowable source voltage distortion
<b>Crest factor</b>	3 : 1
<b>dV/dt max</b>	800V/µs
<b>Cooling</b>	Natural
<b>Humidity @40°C ambient</b>	5 – 95% non-condensing

Specifications are subject to change without notice

