

# iSURFACE F3

**STATIC  
POWER**  
SMART | SOLID | SAFE



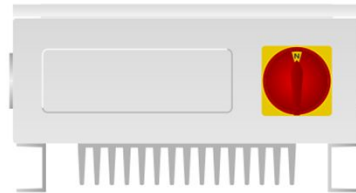
## The IP54 rugged wall mounted iSTS

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<br>3Ph: 63A max  |
| <b>Voltage rating</b>           | All region-specific voltages $\pm 10\%$  |
| <b>Type</b>                     | Single phase, 3-Phase/3-Pole or 3-Phase/4-Pole   |
| <b>Frequency</b>                | 50Hz and 60Hz, $\pm 10\%$ - Auto detection   |
| <b>Transfer type</b>            | Break-Before-Make zero current transfer by Thyristors / SCR  |
| <b>Synchronous break time</b>   | <1ms - up to $\frac{1}{4}$ 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<br>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<br>125% for 2min      400% for 0.1s<br>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/ $\mu$ s  |
| <b>Cooling</b>                  | Natural  |
| <b>Humidity @40°C ambient</b>   | 5 – 95% non-condensing   |

Specifications are subject to change without notice

