

iSURFACE F4

**STATIC
POWER**
SMART | SOLID | SAFE



The IP54 rugged wall mounted iSTS

Superior in performance and ruggedness, the iSTS F4 is designed for tough environments where power availability is essential.

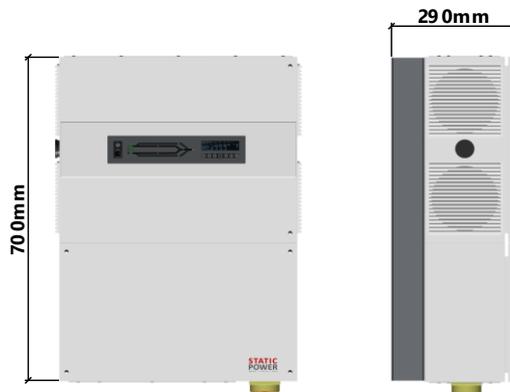
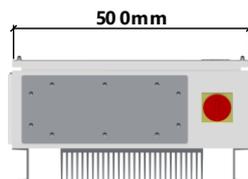
Key features

- Wall mounted
- IP54 - 45°C ambient
- Single phase, 3-phase/3 or 4-pole
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- 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
- HTTP, SNMP, MODBUS TCP, Email & NTP
- Remote transfer inputs
- Australian designed & manufactured



Available options

- Top or Bottom entry
- Stainless steel enclosure



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Current rating	Up to: 1-Phase/250A and 3-Phase/160A
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
Maintenance bypass	3 Positions CAM Switch - Lockable
Isolation	Inputs and output isolators
Display	Bi-colour LED mimic decal
Interface	Preferred supply selection, Source transfer selection and Alarm cancel buttons
Contact	5 voltage free alarm indicator, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP
Input options	M10 bolted terminals
Output options	M10 bolted terminals
Dimensions & Weight	W500 x D290 x H700mm – 47kg
Temperature	0 – 45°C
IP rating	IP54
Detection	Digital: <1ms
Asynchronous break time	Vt proportional up to 12ms, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	300A _{RMS} , 1600V, 5kA for 1 cycle
Overload @45°C ambient	125% for 10min 200% for 1s 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 – aR-NGT00
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3 : 1
dV/dt max	1000V/ μ s
Cooling	Fan forced, Redundant
Humidity @40°C ambient	5 – 95% non-condensing

Specifications are subject to change without notice