

## The IP54 rugged wall mounted iSTS

Superior in performance and ruggedness, the iSTS F1 is designed for tough environments where power availability is essential.



### Key features

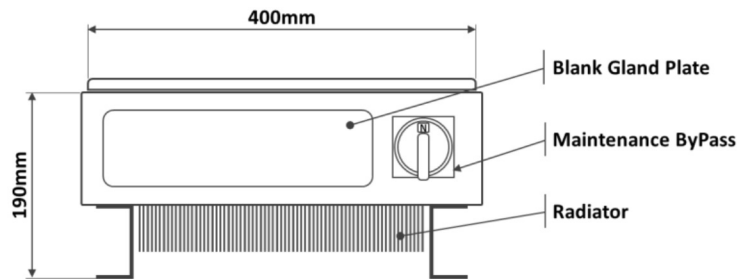
- Wall mounted
- IP54 - 55°C ambient
- 1-phase, 2-pole
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- RCD site compatibility
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- Back feed protection contactors
- Manual and automatic transfers selection
- Maintenance Bypass pad-lockable
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load indicator
- Voltage free general alarm contact
- Australian designed & manufactured

### Available options

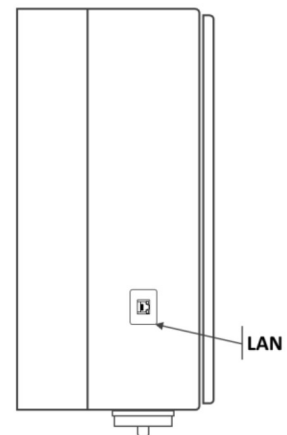
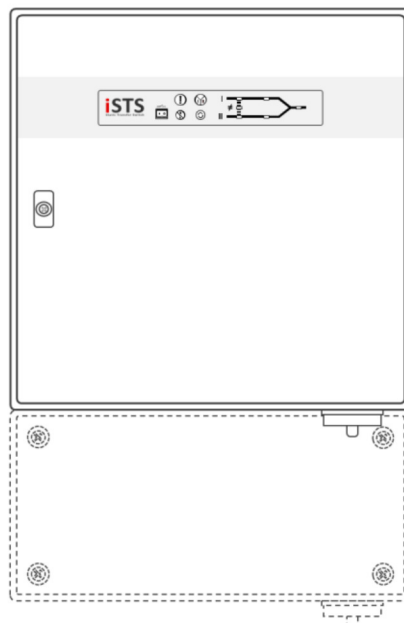
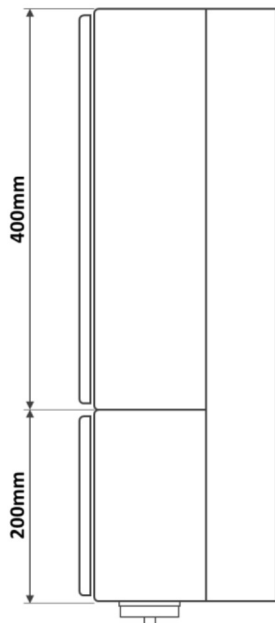
- Inputs and output breakers in segregated extension
- Ethernet module for LAN/TCP, Modbus & SNMP
- Stainless steel enclosure



WITH EXTENSION



WITHOUT EXTENSION



<b>Current rating</b>	Up to 32A
<b>Voltage rating</b>	115V or 230V, $\pm 10\%$
<b>Type</b>	1-Phase/2-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>	Synchronous break time up to $\frac{1}{4}$ cycle
<b>MTBF</b>	>800,000 hours
<b>Maintenance bypass</b>	3 Positions 63A rated CAM Switch- Lockable
<b>Isolation</b>	Extension with inputs and output breakers - <i>Optional</i>
<b>Display</b>	Bi-colour LED mimic decal with load indication
<b>Interface</b>	Preferred supply selection, Source transfer selection and Alarm cancel button
<b>Contact</b>	One voltage free general alarm indicator, Form A or Form B - SPST
<b>Ethernet</b>	LAN - <i>Optional</i>
<b>Input options</b>	8mm bolted terminals connections for up to 70mm <sup>2</sup>
<b>Output options</b>	8mm bolted terminals connections for up to 70mm <sup>2</sup>
<b>Dimensions &amp; Weight</b>	Without extension: W400 x D190 x H400mm – 12kg With extension: W400 x D190 x H600mm – 15kg
<b>Temperature</b>	0 – 55°C
<b>IP rating</b>	IP54
<b>Detection</b>	Digital: <1ms
<b>Asynchronous break time</b>	Vt proportional up to 12ms, 0° to 180°
<b>Loading</b>	0.5A - 100% @55°C ambient
<b>Device ratings</b>	150A <sub>RMS</sub> , 1400V, 2kA for 1 cycle
<b>Overload @55°C ambient</b>	200% for 30s      400% for 0.1s 300% for 1s      2kA for 1 cycle
<b>Fault current setting</b>	300% peak with load fault transfer inhibit
<b>Safe install environment</b>	20kA, 100A internally fused
<b>Protection</b>	100A 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>	Passive
<b>Humidity @40°C ambient</b>	5 – 95% non-condensing
<b>Regulatory approvals</b>	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM - UL Capable - RoHS
<b>Standard warranty</b>	24 months offsite repair or replacement policy

Specifications are subject to change without notice