



### The Smart Solution

With up to 32A of switching capacity, the Model B1 is perfect for any small to medium rack-based installation.

iSTS Model B1 is fully featured and offers optional maintenance bypass and three-phase expansions.

Fully configurable, the LED mimic and graphic OLED display interface enables easy access to user settings and operating variables. All events are recorded in real-time with time synchronisation available via NTP.

Remote connectivity is achieved via Ethernet and 20-way header.

### Available options

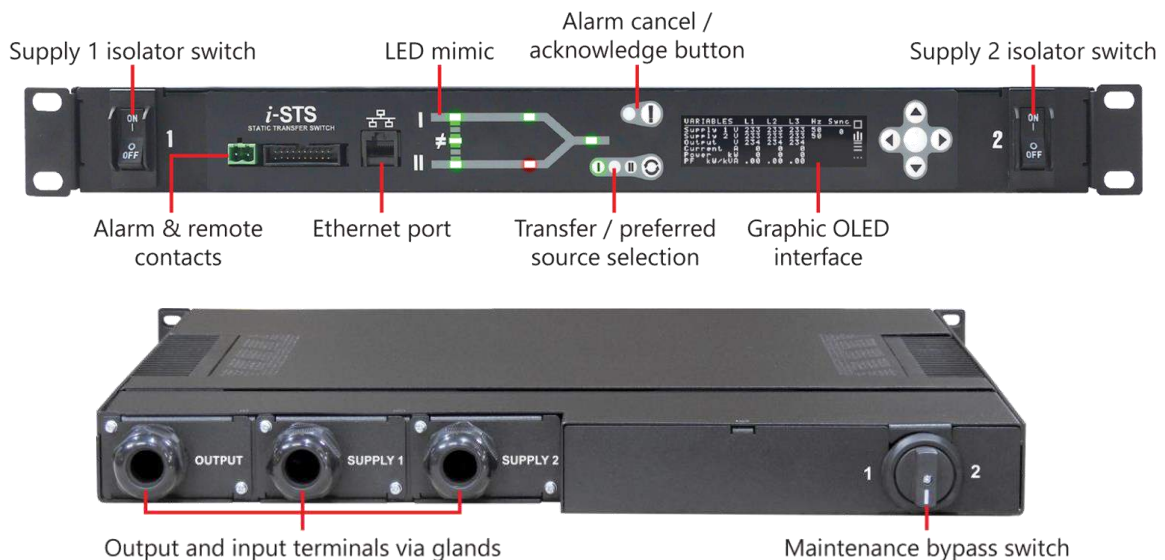
- Hot swappable with maintenance bypass



**REPLACEABLE POWER MODULE**

### Key features

- Built-in transient voltage protection
- UPS Eco-Mode compatible
- RCD site compatible
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- Back feed protection contactors
- Manual or automatic transfer selection
- Integrated web server
- High-level interface - MODBUS, SNMP
- Email alerts
- Clock synchronisation with NTP
- Remote operation
- Preferred source selection
- Incoming source isolator switches
- Visual and sound alarms
- LED mimic with graphic OLED interface and load indicator
- Integrated maintenance bypass with hot socket field replaceable power module
- Additional voltage free general alarm contact
- Australian designed & manufactured



<b>Current rating</b>	16A, 20A and 32A
<b>Voltage rating</b>	All regional Voltages, ±10%
<b>Type</b>	1-Phase/2-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 - asynchronous break time up to ¼ cycle
<b>MTBF</b>	>800,000 hours
<b>Maintenance bypass</b>	Cradle with 3-position overlapping, no-break CAM switch
<b>Isolation</b>	Incoming sources isolator switches
<b>Display</b>	Bi-colour LED mimic decal with graphic OLED display and information interface
<b>Interface</b>	Preferred supply selection, Source transfer selection and Alarm cancel button
<b>Contact</b>	2 Self wetting transfer control inputs 5 Voltage free change-over status indicators, Form C
<b>Ethernet</b>	HTTP, SNMP, MODBUS TCP, Email & NTP
<b>Input options</b>	Fixed wiring to terminals up to 6mm <sup>2</sup> cables via glands
<b>Output options</b>	Fixed wiring to terminals up to 6mm <sup>2</sup> cables via glands
<b>Dimensions H x W x D</b>	1RU/19" - 44 x 483 x 540mm
<b>Weight</b>	11kg
<b>Temperature</b>	0 – 45°C
<b>IP rating</b>	IP31
<b>Detection</b>	Digital: <1ms
<b>Asynchronous break time</b>	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
<b>Loading</b>	0 - 100% @45°C ambient
<b>Device ratings</b>	150A <sub>RMS</sub> , 1400V, 2kA 1 cycle
<b>Overload @40°C ambient</b>	63A for 30s                      100A for 1s 225A for 0.1s                      2kA for 1 cycle
<b>Fault current setting</b>	350% 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>	3.5 : 1
<b>dV/dt max</b>	800V/µs
<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