



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

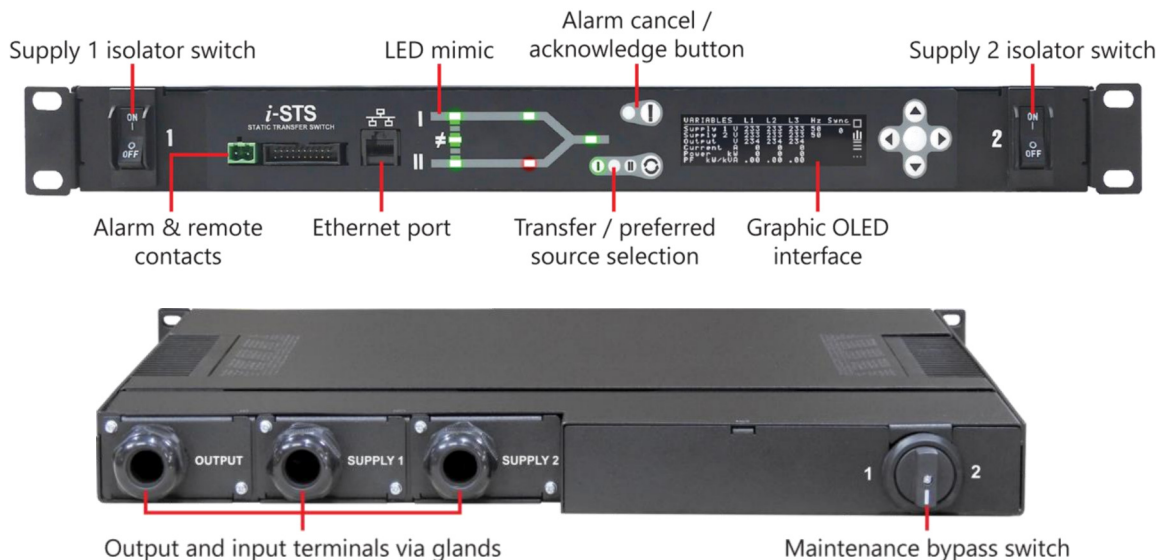
- Remove source isolator switches



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



Current rating	16A, 20A and 32A
Voltage rating	All regional Voltages, ±10%
Type	1-Phase/2-Pole
Frequency	50Hz and 60Hz, ±10% - Auto detection
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR
Synchronous break time	<1ms - asynchronous break time up to ¼ cycle
MTBF	>800,000 hours
Maintenance bypass	Cradle with 3-position overlapping, no-break CAM switch
Isolation	Incoming sources isolator switches
Display	Bi-colour LED mimic decal with graphic OLED display and information interface
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	2 Self wetting transfer control inputs 5 Voltage free change-over status indicators, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP
Input options	Fixed wiring to terminals up to 6mm ² cables via glands
Output options	Fixed wiring to terminals up to 6mm ² cables via glands
Dimensions H x W x D	1RU/19" - 44 x 483 x 540mm
Weight	11kg
Temperature	0 – 45°C
IP rating	IP31
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	150A _{RMS} , 1400V, 2kA 1 cycle
Overload @40°C ambient	63A for 30s 100A for 1s 225A for 0.1s 2kA for 1 cycle
Fault current setting	350% peak with load fault transfer inhibit
Safe install environment	20kA, 100A internally fused
Protection	100A fuses - BS88/FE100
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3.5 : 1
dV/dt max	800V/µs
Cooling	Passive
Humidity @40°C ambient	5 – 95% non-condensing
Regulatory approvals	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM - UL Capable - RoHS
Standard warranty	24 months offsite repair or replacement policy

Specifications are subject to change without notice