iSTS Model A1

STATIC POWER
SMART | SOLID | SAFE

The ATS alternative

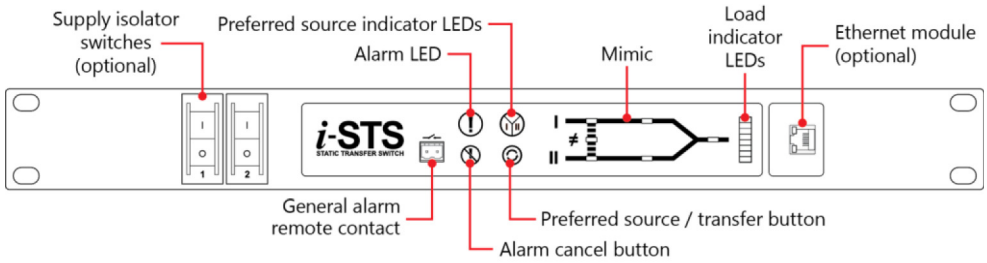
Superior in performance and ruggedness to relay based or hybrid type transfer switches, the Model A1 is a true solid-state Static Transfer Switch that allows safe and seamless switching of a critical load between two power supplies.

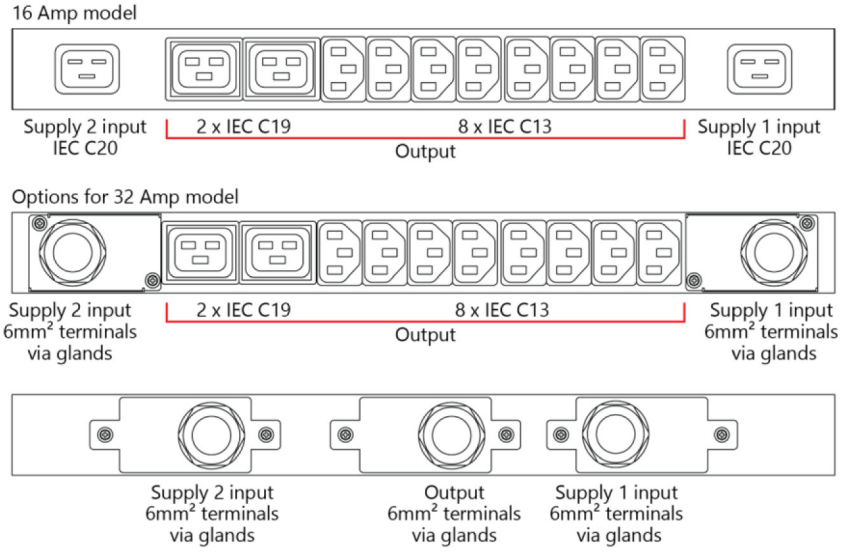
Key features

- Small 1RU design
- 1-phase, 2-pole
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- RCD site compatibility
- Safe asynchronous source transfers
- Very high MTBF (>1,000,000 hours)
- Back feed protection contactors
- Manual and automatic transfers selection
- Various input/output configuration
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load indicator
- Voltage free general alarm contact
- Australian designed & manufactured

Available options

- Incoming source isolator switches
- Ethernet module for LAN/TCP, Modbus & SNMP
- Wall mount bracket





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Current rating	16A and 32A
Voltage rating	115V or 230V, ±15%
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	>1,000,000 hours
Maintenance bypass	None
Isolation	Optional incoming source isolator switches, front mounted
Display	Bi-colour LED mimic decal with load indication
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	One voltage free general alarm indicator, Form A or Form B - SPST
Ethernet	LAN optional
Input options	16A: IEC C20 sockets 32A: 6mm² terminals with glands
Output options	16A: 2 x IEC C19 + 8 x IEC C13 sockets 32A: 2 x IEC C19 + 8 x IEC C13 sockets or 6mm² terminals with glands
Dimensions H x W x D	16A: 1RU/19" - 44 x 483 x 285mm 32A: 1RU/19" - 44 x 483 x 307mm
Weight	5kg
Temperature	0 – 40°C
IP rating	IP31
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @40°C ambient
Device ratings	$80A_{RMS}$, 1400V, 1kA for 1 cycle
Overload @40°C ambient	40A for 30s 115A for 0.1s 63A for 1s 1kA for 1 cycle
Fault current setting	300% 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 : 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