

The Solution for Decentralised Distribution

iSTS Model H provides protection against infrastructure failures and upstream inadvertent switching events. It is a rugged fuse-less design capable of reliable operation under the most arduous operating conditions.

With just 300mm depth, iSTS Model H is suited for limited spaces.



Key features

- Fuseless design
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- LED mimic decal with graphic LCD interface
- One touch transfers
- Visual and sound alarm
- Integrated web server
- Remote operation
- High-level interface - MODBUS, SNMP
- Email alerts
- Clock synchronisation with NTP
- Mechanically interlocked circuit breakers Maintenance bypass
- Redundant fan cooling
- High fault current capacity
- 5 x voltage free contacts & remote inputs
- Easy access for maintenance
- Australian designed & manufactured

Available options

- Top entry



Current rating	1Ph: 400A max 3Ph: 250A max
Voltage rating	All region-specific voltages selectable $\pm 10\%$
Type	1-Phase/2-Pole, 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	<1ms - asynchronous break time up to $\frac{1}{4}$ cycle
MTBF	>800,000 hours
Maintenance bypass	5 Mechanically interlocked circuit breakers
Isolation	Incoming sources and output isolator switches
Display	Bi-colour LED mimic decal with graphic backlit LCD 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	Terminals M8/M10 via gland plate
Output options	Terminals M8/M10 via gland plate
Dimensions H x W x D	1300 x 600 x 300mm
Weight	75kg - 165kg
Temperature	0 – 45°C
IP rating	IP21
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	1250A _{RMS} , 1800V, 20kA 1 cycle
Overload @40°C ambient	125% for 10min 1kA for 1s 150% for 30s 20kA for 1 cycle
Fault current setting	350% peak with load fault transfer inhibit
Safe install environment	20kA for 1 cycle - Fuseless design
Protection	Circuit breakers
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3.5 : 1
dV/dt max	800V/ μ s
Cooling	Redundant fans
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