



Designed for rail mounted applications, the iSTS R avoids critical manufacturing and IT equipment power supply disruptions by transparently changing to a secondary source in case of failure of the preferred.
Typical applications: PLCs, CNCs, Robotics, BMS, Workshop IT, Engineering and office work stations, warehouses.



Features

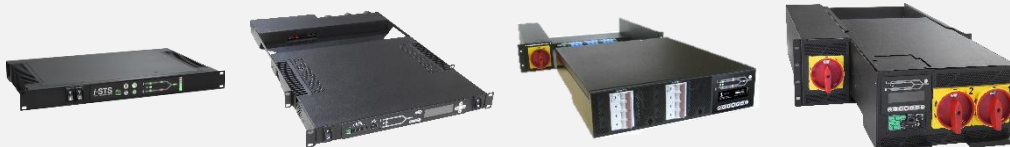
- Rail mounted
- 1-phase, 2-pole, 16A
- Built-in transient voltage protection
- Very high MTBF (>500,000 hours)
- RCD site compatibility
- Safe asynchronous source transfers
- Manual and automatic transfers selection
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load indicator
- One voltage free general alarm contact

For Building

The iSTS R can be installed in a floor/office switch board to replace individual UPSs not always reliable and difficult to maintain.

For Industry – Manufacturing - Warehousing

Typically used in an Industry 4.0 environment, the iSTS R will guarantee a continuous power supply to all PLC, CNC and controls in the workshop



Current rating	1Ph: 16A max	
Voltage rating	115V or 230V±10%	
Type	1-Phase/2-Pole	
Frequency	50Hz and 60Hz, ±10% - Auto detection	
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR	
Break time	Synchronous: up to ¼ cycle - Asynchronous: 12.5ms	
MTBF	>500,000 hours	
Isolation	No source isolation	
Display	LED mimic decal with load indicator	
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button One voltage free general alarm indicator	
Input option	Up to 4mm ² terminals	
Output option	Up to 4mm ² terminals	
Dimensions	L215 x D60 x H90mm	
Weight	0.7kg	
Temperature	0 – 35°C	
IP rating	IP30	
Detection	Digital: <1ms	
Asynchronous break time	Dynamic break time	
Loading	0 - 100% @35°C ambient	
Device ratings	56A _{RMS} , 1200V, 300A for 1 cycle	
Overload @40°C ambient	32A for 30s	63A for 1s
	100A for 2 cycle	300A for 1 cycle
Fault current setting	250% peak with load fault transfer inhibit	
Protection	External DIN rail mounted fuse isolator 10x38mm – 16/20A	
Power factor	No practical limit	
Max THDV	10% - Max allowable source voltage distortion	
Crest factor	3 : 1	
dV/dt max	800V/µs	
Cooling	Redundant fans	
Humidity @40°C ambient	5 – 95% non-condensing	

Specifications are subject to change without notice

