

Designed for rail mounted applications, the iSTS model 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

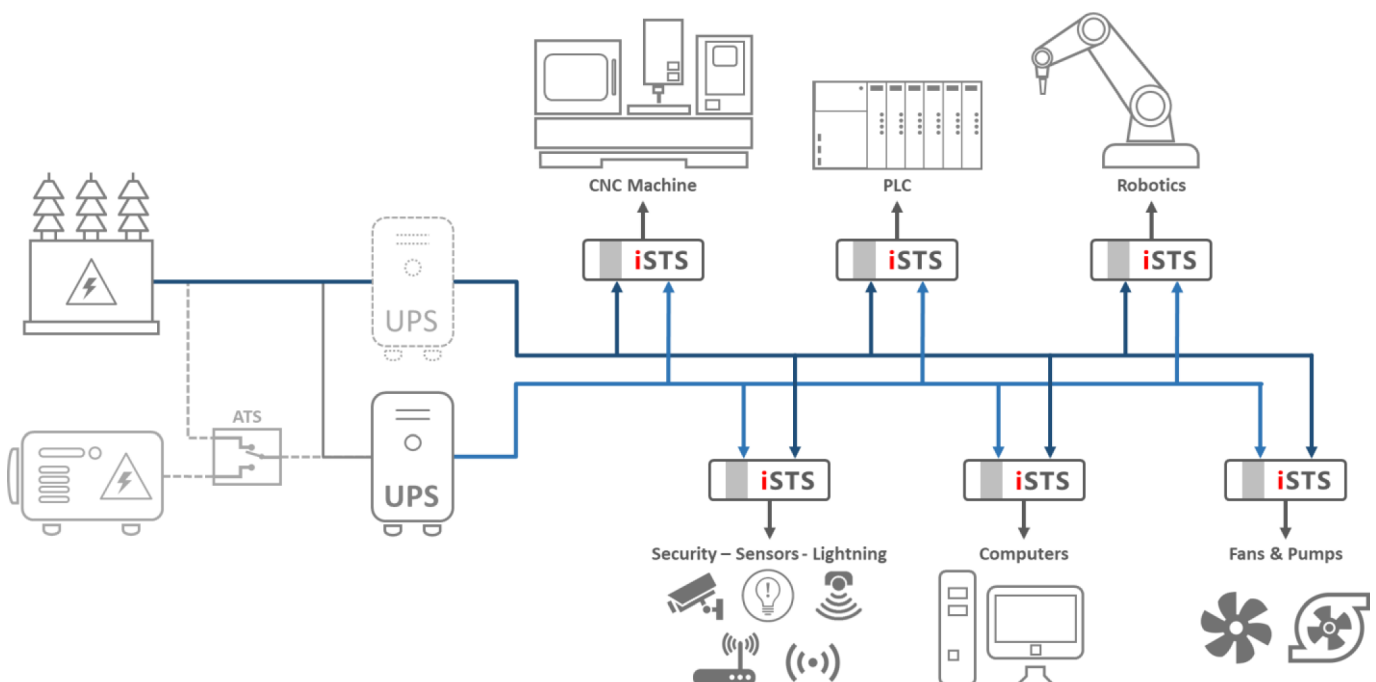
- Rail mounted
- 1-phase, 2-pole, 16A
- Built-in transient voltage protection
- Very high MTBF (>500,000 hours)
- RCD site compatibility
- Safe asynchronous source transfers
- Manual and automatic transfers selection
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load 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 a Industry 4.0 environment, the iSTS R will guarantee a continuous power supply to all PLC, CNC and controls in the workshop



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