HELIOS
POWER SOLUTIONS

HPS-iSTS-R

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

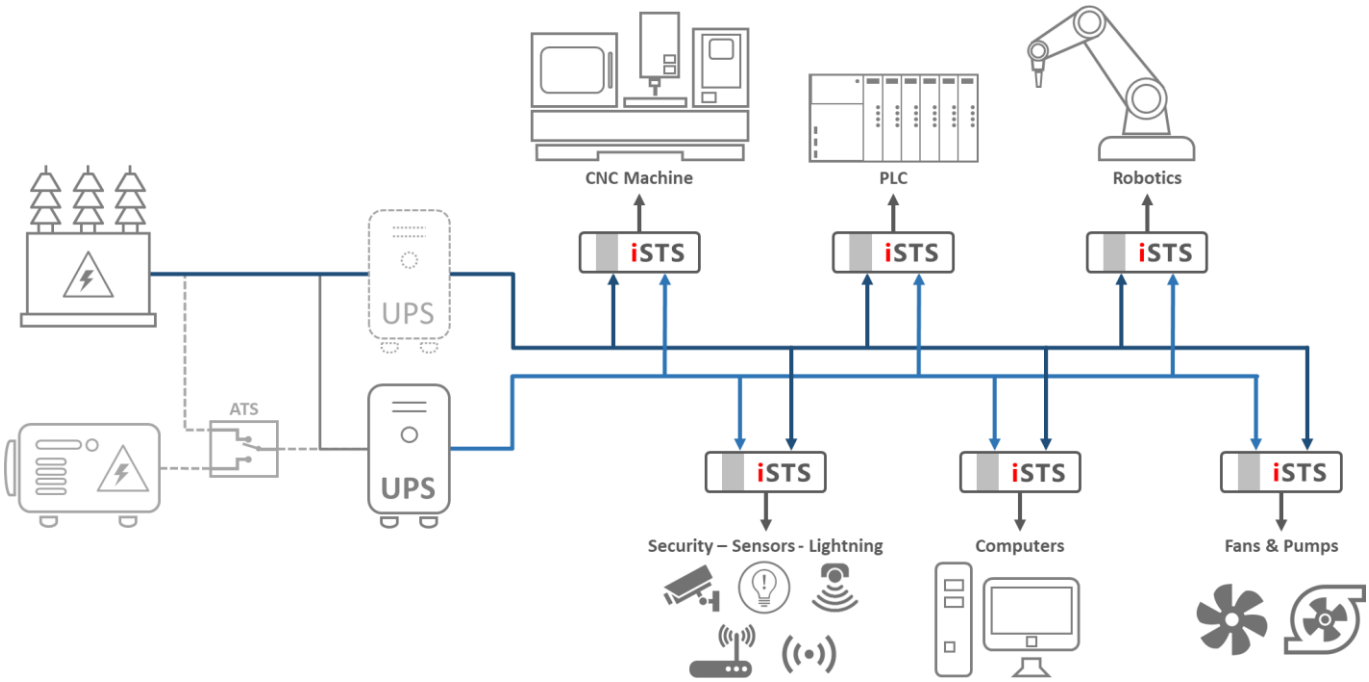
- Rail mounted
- 1-phase, 2-pole, 16A
- Built-in transient voltage protection
- Very high MTBF (>500,000 hours)
- RCD site compatibility
- Safe asynchronous source transfers
- Manual and automatic transfers selection
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load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



Australia: sales@heliosps.com.au - **New Zealand:** sales@heliosps.co.nz - **Asia & Middle East:** sales@heliosps.asia

HELIOS
POWER SOLUTIONS

HPS-iSTS-R

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 insolation
Display	LED mimic decal with load indicator
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	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 100A for 2 cycle 63A for 1s 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
Regulatory approvals	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM

Specifications are subject to change without notice