STATIC POWER
SMART | SOLID | SAFE

The rail mounted iSTS

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.
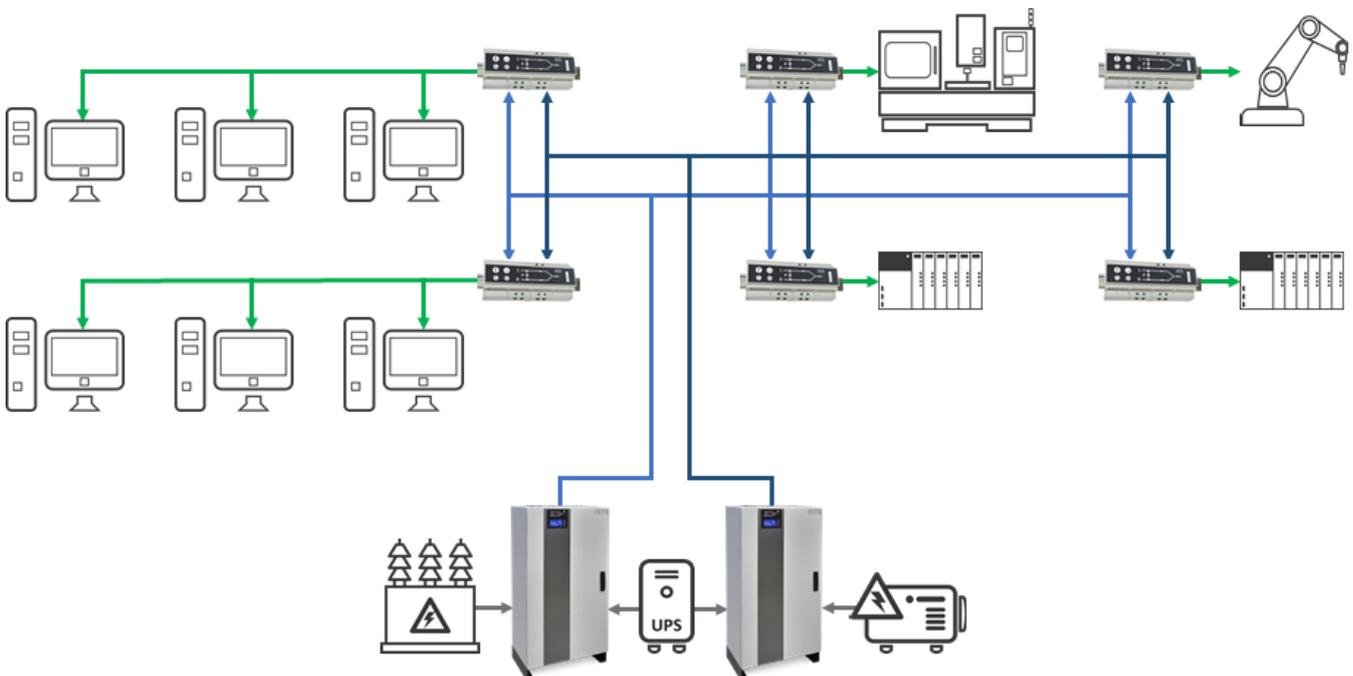

Features

- Rail mounted
- 1-phase, 2-pole, 16A
- Built-in transient voltage protection
- Very high MTBF (>800,000 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

iSTS

POWER	
Type	1-Phase/2-Pole
Current rating	16A
Voltage rating	115V or 230V, ±15%
Safe install environment	To be externally fused
Frequency	50Hz and 60Hz, ±10% - *Auto detection*
Max THDV	10% - *Max allowable source voltage distortion*
Power factor	No practical limit
Crest factor	3.5 : 1
Loading	0 - 100% @40°C ambient
Overload capacity @40°C ambient	32A for 30s 50A for 10s 100A for 1s 275A for 2 cycles 500A for 1 cycle
Input options	2.5mm² - 12AWG terminals
Output options	2.5mm² - 12AWG terminals
Isolation	No source insolation
SWITCHING	
Transfer type	Transfer at zero current by break-before-make by Thyristors / SCR
Detection	Digital: <1ms
Break time	<1ms to ¼ cycle
Asynchronous break time	15ms
dV/dt max	800V/µs
MTBF	800,000 hours - *Recommend Routine Preventative Maintenance @ 200,000h*
Device ratings	75A$_{RMS}$ - 1200V, 500A for 1 cycle
Fault current setting	300% peak with load fault transfer inhibit
Protection	To be externally fused
COMMUNICATION AND CONTROL	
User interface	LED mimic decal with load indication Preferred supply selection Source transfer selection Alarm cancel button
Contact	One voltage free general alarm indicator
ENVIRONMENTAL	
Dimensions	L213 x W92 x H63mm
Weight	1.9kg
Temperature	0 – 40°C
Cooling	Passive
Humidity	5 – 95% non-condensing
IP rating	IP30
COMPLIANCE	
Regulatory approvals	AS/NZ3100, 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