APS-STS 3000 & 4000
True Online Static Transfer Switch Three Phase
50-800A (3 and 4 Pole)

ABOUT PRODUCT

Antipodes APS-STS lets you transfer your critical load to an alternate power source instantaneously. When one power source goes down, the STS springs into action, switching to backup in as a little as 6ms. With one pole for each connection, this Antipodes STS provides independent grounding for each power source. Compared to the moving mechanical parts of an Automatic Transfer Switch (ATS), the APS-STS leverages its solid-state design for unmatched speed and reliability. The result is the APS-STS offering a rare combination of performance and safety.

PRODUCT PERFORMANCE

The APS-STS system is manufactured according EC directive: EN62310 and is offered with 10 years of support for spare parts along with its 2 year warranty. This is offered on the basis of its inherent technical design using Fail safe CMOS logic and internal redundancy for power supply systems and SCR drivers.

MAIN FEATURES

- Increased Power Quality
- Increased Noise Reduction
- Power Outage Protection
- Enable power redundant system design
- Automatic Static Switching
- Remote Monitoring of Input Power Sources
- Fail-Safe CMOS Logic
- Easy static and mechanical transfer between input sources
- Remote Management during power outage event
- Hot-swappable
- Low installation and maintenance costs
- 2 Year warranty
- Power Event Logging
- Output current capability up to 1000% for A short period of time

Online HF UPS Digital
Series 1 3KVA, LCD LED Optional

TECHNICAL SPECIFICATIONS

Model	STS4100	STS4150	STS4200	STS4250	STS4300	STS4400
Voltage	230/400 Vac 4 wires + earth					
Error window	Voltage error windor and blackout time adjustable					
Frequency	50 Hz or 60 Hz, +/- % -5 (adjustable error window)					
Voltage distortion	<10%					
Phase balance sense	Adjustable					
Backfeed Protection	Available					
Overcurrent Protection	2 MCCB's according to overload current values					
Output						
Current	100A	150A	200A	250A	300A	400A
Voltage / Frequency	230/400 Vac 4 wires + earth - 50 Hz or 60 Hz, +/- -5%					
Overcurrent Inhibit	Available					
Load Crest Factor	Up to 3.5					
Protection	SRC projection and overcurrent protection available / Short circuit protection available					
AC/AC Efficiency	>98%					
Load PF Range	0.6 lag to 0.9 lead					
Output CB Switch	Available					
General						
Type Of Transfer	Break before make					
Transfer Time	5msec within CBEMA & IEEE for synchronised sources - 11 msec for unsynchronised sources					
Overload	150% for 15min, 1000% for 40msec					
Cooling	Two fans (redundant)					
Standards	EN5009 colspa = 71-2 class A ISO9001					
Temperature Sensor	Cabinet inside temperature / Headsink temperature available					
Ambient Temperature	0 - 40°C					
Humidity	0-95% (non-condensed)					
Dimensions (H x W x D) mm	685x530x1500	685 x 580 x 1770				
Advanced Features						
Human Interface	2 lines 16 characters LCD display, lamp mimic panel, 5 control buttons					
Alarm history logging	Available (127 events or 4000 alarms) with time and date					
Real time clock	Available					
Password protection	User and service passwords					
Advanced RS232	Available (2400 baud, no parity, 1 stop bit, 3 wires) interactive					
RS232 security	Enable / disable from front panel and passpord protection (timed access)					
DRY contacts	7 dry contact outputs (4 user programmable)					
Monitoring software	Available					
Remote settings	Available					
REPO switch	Available					
Maintenance switch	Available (3 position)					
Power supply	Hot swap 2 redundant power supplies					
Options						
TCP/IP connection	Available as an option					
MODBUS adaptor	Available as an option					
R232 multiplexer	Available as an option (2 RS232 serial ports)					
Internal resistive load	Available as an option					