

## Advice Static Transfer Switch

3 Phase in- 3 Phase out / 50Amp to 400Amp

### Features:

- Compact size
- Increased power quality
- Easy monitoring all parameters on LCD display
- Fast microcontroller (32 mips)
- Power blackout protection
- Automatic static switching
- Remote monitoring of input power sources
- Easy static and mechanical transfer between separate input sources
- Remote management of power events
- Power event logging
- Advanced RS232 communication features
- DRY contact alarm interface
- Password protected login system from remote site (timed Access)
- 2 redundant power supplies for electronic boards (hot swappable)
- Easy front access to all components inside of the STS
- Second protection cover on live circuits which prevents electrical shock
- Input sources protected by fuses
- 3 positioned Maintenance bypass switch which prevents cross currents between input sources
- User adjustable parameters by entering a password
- Built in real time clock
- Alarm history (with their date and time)
- Automatic transfer test from a remote site or using front panel
- Front panel Lamp test
- External emergency shutdown (EPO) input
- Hot plug construction during maintenance bypass
- High current output tolerant up to 1000%
- Temperature sensor inside the Cabinet
- Fast voltage black-out circuit
- Input phase balance and phase sequence fault detect circuit
- Adjustable Input source frequency lower/upper limits



## Specifications

MODEL - 3pole	STS350	STS3100	STS3150	STS3200	STS3250		
MODEL - 4pole		STS4100	STS4150	STS4200	STS4250	STS4300	STS4400
<b>INPUT</b>							
Voltage	380,400VAC, ( 3 wires for 3pole version And 4 wires for 4pole version)						
Voltage Range	310-430VAC						
Frequency	50 or 60Hz +/-5%						
Voltage Distortion	<10%						
Input voltage error window	adjustable						
Input frequency error window	adjustable						
<b>OUTPUT</b>							
Current	50A	100A	150A	200A	250	300A	400A
Voltage	380,400VAC, ( 3 wires for 3pole version And 4 wires for 4pole version)						
crest factor	up to 3,5						
synchronized transfer time	max 1.8 msec (on 0 current mode)						
non-synchronised transfer time	max 10 msec in 0 current mode, 0-25 sec adjustable in delay mode and in 0 current mode						
load power factor range	0,6 lagging to 0,9 leading						
Efficiency	>98%						
Overload	100% to 150% = 1 minute 150% to 200% = 10 seconds >200% = 0,5 seconds 1000% = 20 msec						
type of transfer	break before make						
AS standard	Overcurrent inhibit LCD front panel, MBP						
<b>PHYSICAL</b>							
Dimensions (mm) WxDxH	685x530x1500			685x570x1770			
Weight ( kg )	175			205	215	220	240
Operating Temperature	0-40°C						
Relative Humidity (non-condensing)	0-90%						
Standards	EN 50091-1 (safety), EN 50091-2 (EMC), CE						
<b>GENERAL</b>							
RS232 port	standard						
Dry contacts	output inhibit relay, summary alarm relay, static or manual transfer relay, S1 /S2 Backfeed trip relay, Preferred source indicator relay, Load is connected to alternate input source relay						
Neutral connection	available at 4pole version						
transfer time	<5msec : within CBEMA & IEEE for synchronized sources <11msec : for unsynchronized sources.						
monitored parameters	source 1 voltages, source 2 voltages, output load, phase balance, synchronization source 1 frequency, source 2 frequency, phase angel degree, Temperature						
Front Panel	2 lines 16 character LCD Display						
Indications	8 LEDs arranged as mimic diagram						
Control buttons	5 push button interactive with LCD panel						
Event log	64 recorded alarm logs from panel or RS232						
Manual transfer switch	available						

\* Product specifications are subject to change without further notice