SmartPower

Your Smart choice for STS

STS Three Phase Series

3 Phase in – 3 Phase out / 50Amp to 600Amp

- 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 (time 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 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 tolerance 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

STS Three Phase Series Specification

MODEL - 3pole	STS350	STS3100	STS3150	STS3200	STS3250	STS3300	STS3400	STS3600
MODEL - 4pole		STS4100	STS4150	STS4200	STS4250	STS4300	STS4400	STS4600
INPUT								
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							
OUTPUT								
Current	50A	100A	150A	200A	250A	300A	400A	600A
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-syncronised 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 msecs							
Type of transfer	break before make							
As standard	Overcurrent inhibit LCD front panel, MBP							
DISPLAY								
LCD Display	2 lines 16 character LCD Display							
Monitored Parameters	Source 1 Voltages, Source 2 Voltages, Output Load, Phase Balance, Synchronization Source 1 Frequency, Source 2 Frequency, Phase Angel Degree, Temperature							
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							
COMMUNICATION								
Interface (Communication Ports)	RS 232 Standard							
Dry contact signals	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							
GENERAL								
Neutral connection	available at 4pole version							
transfer time	<5msec : within CBEMA & IEEE for synchronized sources <11msec: for unsynchronized sources.							
Manual transfer switch	available							
ENVIRONMENT								
Operating Temperature	0-40°C							
Relative Humidity (non-condensing)	0-90%							
PHYSICAL SPECIFICATIONS								
Dimensions (mm) WxDxH	685x530x1500			685x570x1770				915x735x1935
Weight (kg)	175		205	215		220	240	340
STANDARDS								
Standards	EN 62310-2, EN 62310-1, EN 60950-1							

The Sun Power Co.,Ltd.

31 Soi Prachautit 59, Yeak 5, Bangmod,Thungkru, Bangkok 10140 THAILAND.

Tel. 02-872-9501/4 Fax.02-872-9505

WWW.THESUNPOWER.CO.TH

Email. SaleContact@thesunpower.co.th