



STATIC TRANSFER SWITCH

- Provides redundancy of power between two available AC sources
- Micro controller based design with user friendly LCD display
- Selectable transfer modes viz. delay, zero current & swift transfer
- Adjustable upper/lower limits for input voltage and frequency.
- Protection from phase unbalance and phase sequence fault
- Hot swappable redundant power supplies for electronic boards
- High output fault current tolerance upto 1000%
- Advanced RS232 communication with optional TCP/IP connection
- Alarm history with date and time
- Password protected login system from remote site
- Automatic transfer test from remote site or front panel
- Easy front access to all components inside STS panel



MODEL	STS3025	STS3050	STS3100	STS3150	STS3200	STS3300	STS3400
INPUT							
Voltage	230/400V AC, 4 wires + earth						
Input voltage analog error window	adjustable						
Frequency	50Hz or 60Hz, $\pm 5\%$						
Input frequency error window	adjustable						
Voltage distortion	$< 10\%$						
Phase balance error sense offset	adjustable						
Back feed protection	available						
Over current protection	2 MCCB's according to overload current values						
Poles	3 phase switched during transfer (input neutrals connected to each other)						
OUTPUT							
Current	25A	50A	100A	150A	200A	300A	400A
Voltage	230/400V AC 4 wires + earth						
Frequency	50Hz or 60Hz, $\pm 5\%$						
Over current inhibit	available						
Load crest factor	up to 3.5						
Protection	SCR protection and over current protection available						
Short circuit Protection	available isolated from other input						
AC/AC efficiency	$> 98\%$						
Load PF range	0.6 lag to 0.9 lead						
Output circuit breaker switch	available						

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GENERAL							
Transfer Time	5msec for synchronized sources & 11 msec for unsynchronized sources						
Overload	150% for 15 min, 1000% for 40 msec						
Cooling	Two fans (redundant)						
Standards	EN62040-2, EN50091-2, ISO9001						
Ambient temperature	0 - 40°C						
Humidity	0 - 95% (non condensed)						
Dimensions	770W x 500D x 1415H						
FRONT PANEL							
Message interface	2 Lines 16 characters LCD display						
Lamp mimic panel	Available						
Buttons	5 push buttons						
Alarm history logging	Available (128 events or 4000 alarms) with time and date						
Real time clock	Available						
Measurements	3 phase input, output voltages, output load currents, output load percentage, power supply voltages, cabinet inside temperature						
Alarms	32 alarm messages and status messages						
Menus	Measures, Commands, Alarms, Options, Settings, Information, Time						
Settings and adjustments menu	Password protected (timed access)						
COMMUNICATION INTERFACE							
Interactive RS232 function	Available (control and polling)						
DRY contacts	7 dry contact outputs						
External EPO input	Available						
Remote control functions	Transfer test , transfer to input 1 or 2 ,output inhibit						
User options selection from PC	Available by password						
BYPASS SYSTEM							
Maintenance by-pass system	Available (Three positioned maintenance by-pass switch)						
Manual by-pass switch	Available						
Hot plug structure	Available (during maintenance by-pass all circuit powers are off)						
OTHER FEATURES							
Power supply	Two redundant power supplies for boards (hot swap)						
Transfer modes	Delay, 0 current, swift transfer						

Option : 3 phase/ 4 pole Static Transfer Switch available on request.

*We pursue a policy of continuous development & product improvement.
Specifications & front panel controls, may be subject to change, without notice.*



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