Info-STS (3 Phase)

3 Phase + Neutral In - 3 Phase + Neutral Out / 50 - 600A

- Smart control and high reliability with DSP (Digital Signal Processor)
- Thyristor controlled switching (fully static)
- Led displays for easy observation of static transfer switch status
- Power blackout protection
- Automatic and manual transfer modes
- 2x16 character LCD display, showing measurements, status and alarm messages
- Internal maintenance bypass switch
- Remote management of power events
- Internal, redundant and monitored power supplies
- Calibration of measurements from front panel
- Input Low / High, Output Low / High, Over Temperature, Short Circuit protections
- Ability to program all operation parameters (password protected)
- Easy front access to all components inside of the STS
- Common alarm relay output
- Possibility of monitor and control over RS232&RS485
- Log records with date and time stamp up the 200 events
- Thyristor failure detection
- 4 programable alarm relay contact outputs (Option)
- Automatic start & Fault recovery
- Internal cabinet light (Option)
- Internal Cabinet Anticondensation Heater (Option)
- AC Fail, Over Temperature and Short Circuit Protections
- Visual & Audible Alarms

TECHNICAL SPECIFICATIONS

MODEL - 3 Pole	STS3050	STS3100	STS3150	STS3200	STS3250	STS3300	STS3400	STS3600
MODEL - 4 Pole	STS4050	STS4100	STS4150	STS4200	STS4250	STS4300	STS4400	STS4600
INPUT								
Voltage	380,400,415VAC							
Voltage Range	± 15%(Adjustable)							
Frequency	50 / 60Hz							
Frequency Range	45-65Hz							
Acceptable Source Voltage Distortion	≤10%							
OUTPUT								
Current	50	100	150	200	250	300	400	600
Voltage	380,400,415VAC							
Crest Factor	up to 3:1							
Synchronized Transfer Time	5.0msec @ 50Hz, 4.2msec @60Hz							
Non- Synchronized Transfer	10msec							
Load Power Factor Range	0.7 lagging to 1.0 leading							
Efficiency	>98%							
Transfer Type	Break Before Make							
Transfer Options	Automatic / Manual							
Overload	100-110% = Continuous 100-125% = 10min 125%-150%= 1min 150-200% = 10sec >200% = 250msec							
Switching Topology	3 Pole (w/o neutral breaking) or 4 Pole (w/ neutral breaking)							
DISPLAY								
LCD Display Panel	2 Lines 16 Character LCD Display							
Monitored Paramaters	Output Voltage, Output Current, Source1 Voltage, Source2 Voltage, Difference Voltage, Active Source, Operation Period Date & Time, Transfer Counts, Output Powers & Power Factors, Active & Reactive Output Powers							
LED Indications	Source1 OK / Fail , Source2 OK / Fail, Output OK / Fail, Synchronization, Source1 Active, Source2 Active Manual Bypass CB1 Closed, Manual Bypass CB2 Closed, Common Alarm							
Control Buttons	4 Push button interactive with LCD Panel							
COMMUNICATION								
Interface	RS232 (Standard), Dry Contact (Optional), RS485, TCP/IP (Optional), SNMP (Optional)							
Dry Contact Alarms (4pcs)	Programmable to Output Fail, Source 1 Fail, Source 2 Fail, Alt. Source Active, Retransfer Inh., Overcurrent							
GENERAL								
Neutral Connection	Available at 4 Pole version							
Manual Transfer Switch	Available							
Protections	Overload, Short circuit, OverTemperature, Backfeed, SCR FaultAlarm, Asynch. Protection, Bypass protection (Interlock)							
ENVIRONMENT								
Operating Temperature	0°C -50°C							
Relative Humidity	0 - 90% (non-condensing)							
PHYSICAL SPECIFICATIONS								
Dimensions (mm) WxDxH	500*450*1000	600*600*1300		750*700*1600			1000*800*2100	
Weight (kg)	175	190		205	215	220	240	340
Cabinet Type	Tower Type							
Cabinet Colour	RAL7035							
Cooling System	Fan Cooling							
Cable Entry	Bottom							
Maintenance Bypass	MCB/MCCB							
STANDARDS								
Standards	EN62310-1, EN62310-2, EN62310-3							