

## STS3000-4000 SERIES

3 phase out , 3 & 4 poles static transfer switches

STS3000-4000 Series allows instantaneous transfer of power from the different sources to the load. If one power source fails, the STS switches to the back-up power source so fast that the load never recognizes the transfer made.



### General Specifications:

- Increased power quality
- Increased noise reduction
- Power blackout protection
- Power redundancy
- Automatic static switching
- Remote monitoring input power sources
- Easy static and mechanical transfer to input sources
- Remote management the power events

# Technical Specifications

MODEL	STS3050	STS3100	STS3150	STS3200	STS3250	STS3300	STS3400	STS3600	STS3800	
	STS4050	STS4100	STS4150	STS4200	STS4250	STS4300	STS4400	STS4600	STS4800	
Nominal current	50 A	100 A	150 A	200 A	250 A	300 A	400 A	600 A	800 A	
<b>ELECTRICAL DATA</b>										
Input voltage (Ph-Ph)	380-400-415 VAC 3PH+N+Earth									
Input voltage tolerance	180-264 VAC (PH-N)									
Input frequency	50Hz / 60Hz									
Input frequency range	48-65 Hz (upper and lower limits adjustable)									
Efficiency (at full load)	>99%									
Input voltage THD	<%10									
Transfer type	'Break before make"									
Transfer methods available	Automatic / Manual / Remote									
Transfer control	synchron									
	with adjustable delay (non synchron)									
	zero current (non synchron)									
Transfer time	<4 msn for synchronous sources									
	<10 msn for non-synchronous sources									
Switching type	3-Poles:3 phase switching / 4-Poles:3 phase + Neutral switching									
Output current crest factor	3:1									
Admissible overload	0%-100% continuous									
	101%-150% 1 min									
	151%-200% 10 seconds									
	>200% 250 msec									
Protections	Output overload and short circuit protection, overtemperature protection, backfeed protection, SCR fault protection									
LCD panel and mimic	Standard									
Communication	RS232 standard, RS485 optional									
TCP/IP connection	Optional									
Dry contacts	5 programmable relay outputs									
Two serial ports	Optional									
Temperature sensor	Standard for internal cabinet temperature									
<b>ENVIRONMENTAL DATA</b>										
Cooling	Forced cooling (redundant fans)									
Operating temperature	0 - 40 °C									
Storage temperature	-10 / +50 °C									
Humidity (non condensed)	<90%									
Protection degree	IP20									
Safety standard	EN62310-1									
EMC	EN62310-2									
Acoustic noise	<52 dBA			<55 dBA				<60 dBA		
<b>MECHANICAL DATA</b>										
Dimensions(WxDxH) (mm)	685x530x1500			685x580x1770				915x735x1905		
Weight(STS3000 Series)	139	145	165	195	205	230	240	340	TBA	
Weight(STS4000 Series)	160	175	190	205	235	240	255	375		

\* Specifications are subject to be changed without prior notes