



STS 3000 - 4000 SERIES

STATIC TRANSFER SWITCHES

Tescom STS, allows instantaneous transfer of power 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
- Power event logging
- Output current capability up to 100% for short time
- Manufactured according to EC Directive; EN62310
- 10 years spare parts support
- 2 years warranty





STS 3000 - 4000 SERIES

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	
ELECTRICAL DATA										
Input voltage (Ph-Ph)	380/400/415 VAC 3P + N + G									
Input voltage tolerance	180-264 VAC (PH-N)									
Input frequency	50Hz / 60Hz									
Input frequency range	48-65Hz (upper and lower limits adjustable)									
Efficiency (at 100% 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 second > 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	4 programmable relay outputs									
Two serial ports	Optional									
Temperature sensor	Standard for internal cabinet temperature									
ENVIRONMENTAL DATA										
Cooling	Forced cooling (redundant fans)									
Operating temperature	0°C - 40°C									
Storage temperature	-10°C up to +50°C									
Relative humidity	90% max. (non-condensing)									
Protection degree	IP20									
Standards	EN 62310-1, EN 62310-2									
Acoustic noise	< 52 dBA			< 55 dBA				< 60 dBA		
MECHANICAL DATA										
Weight (kg) (STS3000 Series)	139	145	165	195	205	230	240	340	520	
Weight (kg) (STS4000 Series)	160	175	190	205	235	240	255	375	560	
Dimensions (mm) HxWxD	1500x680x540				1775x680x585				1905x915x725	1900x1250x850