

# STS2000 SERIES

Single phase out , 2 poles static transfer switches

STS2000 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 quantity
- 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 to power events
- Power event logging
- Output current capability up to 1000% for short time
- 1 year warranty
- 10 years spare parts support
- 19" rack cabinet
- Hot swap option
- Manufactured according to EC directive : EN62310

# Technical Specifications

MODEL	STS2032	STS2063	STS2120
Nominal current	32 A	63 A	120 A
<b>ELECTRICAL DATA</b>			
Input voltage	220 - 230 - 240 VAC 1F+N+Earth		
Input voltage range	180/264 VAC (Ph-N)		
Input frequency	50 Hz or 60 Hz		
Input frequency range (operation range adjustable)	46-54Hz (for 50Hz) 56-64Hz (for 60Hz)		
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	≤ 4msec for synchronous sources		
	≤ 10msec for non-synchronous sources		
Switching type	1 phase + Neutral switching (2-Poles)		
Output Current Crest Factor	3:1		
Admissible overload	0 - 100% continuous		
	101-150% 1 minute		
	151-200% 10 seconds		
	>200% 250 msec		
LCD panel and mimic	Standard		
Communication	RS232 standard - STS NET TCP/IP option		
Breaking current capacity (SW1, SW2)	10kA		
<b>ENVIRONMENTAL DATA</b>			
Storage temperature	-10°C up to +50 °C		
Operating temperature	0 – 40° C		
Humidity (non-condensed)	< 90%		
Cooling	Forced cooling (redundant fans)		
Cooling air direction	From front to rear		
Max. operation height	1000m at nominal current rating		
Safety standard	EN 62310-1		
EMC	EN 62310-2		
Protection degree	IP20		
Acoustic noise	<50 dBA		<52 dBA
<b>MECHANICAL DATA</b>			
Dimensions	2U (19"rack),depth=545mm		3U (19"rack),depth = 605mm
	(hot-swappable=590mm)		(hot-swappable = 645mm)
Weight (kgs)	12	13	20
Power cables connection	Clip-on terminals (on the rear panel)		

\* Specifications are subject to be changed without prior notes