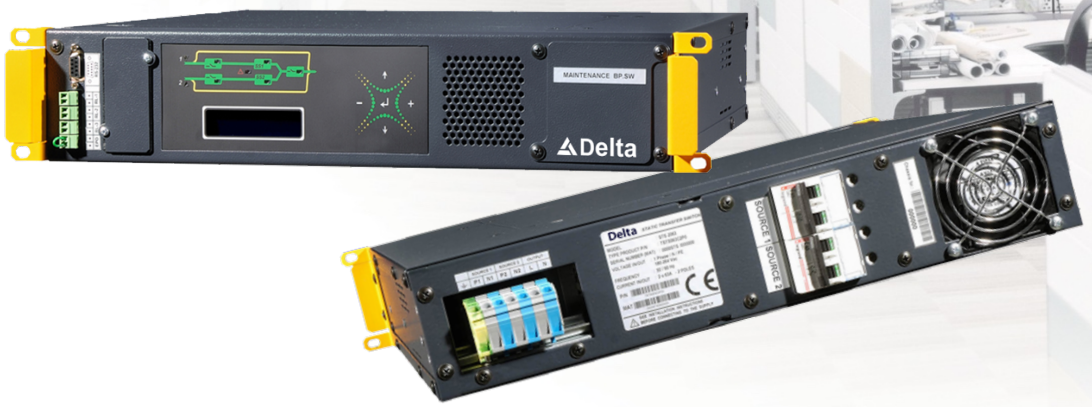
Static Transfer Switch Series

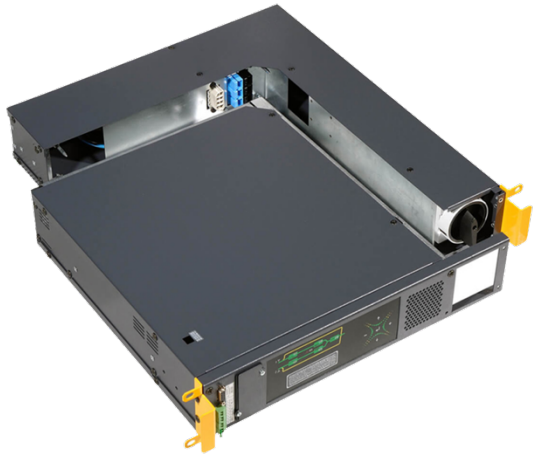
STS 32-120A



STS 1 phase, 2 pole static transfer switch transfers uninterruptedly critical loads to either of two independent AC power lines.
The system monitors two AC inputs. If any of them goes out of the specified tolerance, it transfers the critical load to the other By increasing the energy quality of the systems used with STS 2000, while reducing the effects of interference and short interruptions, a backup power system is gained, TCP / IP, SNMP, MODBUS and RS232 infrastructure for communication.

GENERAL SPECIFICATIONS

- Full digital control with microprocessor controlled
- 2 AC inputs with 1 phase and neutral switching
- Easy installation and maintenance
- Compact and rack type design
- Wide input voltage range
- “Break Before Make” type transfer
- Selectable preferred source
- Dry-contact interface
- Remote monitoring of energy resources
- Internal cooling fans
- Hot-swap feature (Optional)
- Optional SNMP adaptor
- Fuse-free construction with a robust, high reliability
- Digitally controlled system set points
- Programmable synchronized and unsynchronized transfers
- Isolation protection between sources with switched neutral
- Convenience during maintenance and repair with Isolated
- Maintenance Bypass



Technical Specifications

MODEL	STS32	STS63	STS120
Capacity (Amper)	32A	63A	120A
INPUT			
Nominal Voltage	220/230/240Vac 1Ph+N		
Operating Voltage Range	180～264Vac ± 5V		
Frequency Range	50Hz:46~54Hz; 60Hz:56~64Hz(auto sensing)		
trasfer methods available	Automatic / Manual / Remote		
Transfer control	Synchron		
	with adjustable delay (non synchron)		
	zero current (non synchron)		
Generator input	Support		
OUTPUT			
Output Voltage	220/230/240Vac		
Output Voltage Range	185～255Vac ± 5V		
Rated Output	32A	64A	120A
Overload	1Min for 101-150%, 10sec for 151-200%, 250msec more than 200%		
Transfer Time	≤ 4 msec for synchronous sources		
	≤ 10 msec for non-synchronous sources		
protections	over load, short. Circuit, over Temp. and backfeed pprotection		
Efficiency	≥98%		
SYSTEM FEATURES			
Priority	Addjustable		
Short circuit	Hold whole system		
Heat Dissipation	Natural Wind		
Self-diagnostics	Upon power on and software control		
Power Enviironment	Same phase different phase, share neuture or separate neuture		
LED & LCD	standartd		
Color	Black		
Communication interface	RS485 port, SNMP, Dry contact		
ENVIRONMENT			
Max temperature	50℃		
Storage temperature	0℃～40℃		
Humidity range	0～90% (non-condensing)		
Power cables connection	Clip-on terminals (on the rear panel)		
Noise level	<50dB		<52dB
PHYSICAL			
Dimension W×D×H (mm)	2U (19"rack), Width = 485mm, Depth = 545mm		3U (19"rack), Width = 485, Depth = 605mm
Net weight (kg)	12	13	20
STANDARDS			
Safety	62310-1, EN62310-2		

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