

Static Transfer Switch Series

STS 16-25A



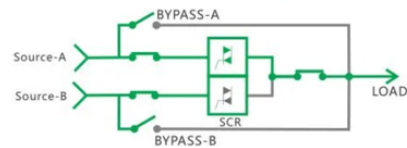
Single-phase 1U Rackmount 16A static transfer switch

The STS product is designed with two independent power inlets to supply power to the load from a primary power source.

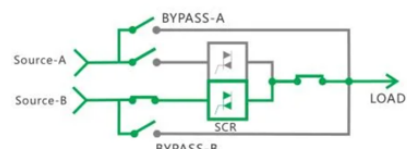
The transfer time from one line to another is seamless to the connected equipment. After switching to a secondary power source, the STS can also switch power back to the primary input when power to the primary input is restored. Should primary power source fail, the secondary will automatically back up the connected equipment without any interruption. STS is mainly used in the emergency power supply system, which automatically switches the load circuit from one power supply to another (standby) power supply to ensure the continuous and reliable operation of important loads.

It is widely used in data room, communication room, automatic control system of power industry, power supply system of petrochemical industry, automatic control and security system of intelligent building, and other important equipment use occasions that are very sensitive to power supply interruption

Schematic



【Source-A & Source-B are normal】



【Source-A is fault, Source-B is normal】

MODEL	STS16	STS25
Capacity (Amper)	16A	25A
INPUT		
Nominal Voltage	220/230/240Vac 1Ph+N	
Operating Voltage Range	185~255Vac \pm 5V	
Frequency Range	50Hz:45~55Hz; 60Hz:54~66Hz(auto sensing)	
ECO range	Same as the bypass	
Generator input	Support	
OUTPUT		
Output Voltage	220/230/240Vac	
Output Voltage Range	185~255Vac \pm 5V	
Rated Output	16A	25A
Over Current Protection	Over current protection 110% surge resistance 2:1	
Transfer Time	Typical 6-8ms	
Switching mode	Auto and Manual	
Efficiency	\geq 98%	
SYSTEM FEATURES		
Priority	Adjustable	
Short circuit	Hold whole system	
Heat Dissipation	Natural Wind	
Self-diagnostics	Upon power on and software control	
Power Environment	Same phase different phase, share neuture or separate neuture	
LED & LCD	for status	
Color	Black	
Communication interface	PC Connect RS485 port, SNMP	
ENVIRONMENT		
Max temperature	50°C	
Storage temperature	-25°C~55°C	
Humidity range	0~90% (non-condensing)	
Max Altitude	< 1000m	
Noise level	<40dB	
PHYSICAL		
Dimension WxDxH (mm)	445 x 350 x 44.4mm	
Net weight (kg)	8	7.5
STANDARDS		
Safety	IEC320C13,C19 output plug, easy to connect with PDU sockets.	

