

Delta Power Distribution Systems

Static Transfer Switch (STS)

Power non-stop, Success's top spot

Elevate your power management with the Delta STS—crafted for unrivaled reliability with seamless maintenance. Effortlessly monitor and control with Modbus and SNMP integration to provide detailed diagnostics with extensive event logging to ensure your business continues to thrive!



Superior Reliability

- Redundant auxiliary power, control board, fan and optional output breaker prevent single points of failure
- Layered security and intelligent interlock design to avoid improper operation
- Dual generator capability and preferred source selection

Easy Management

- Load management includes selective load inhibition and load shedding input
- 10" color display with touchscreen graphical interface
- Analyzes power source and load data with pre-/post-event data capture. Support for 5000+ event log and waveform records for detailed analysis
- Features Modbus and inbuilt SNMP card for remote monitoring and control
- Provides email notifications for user-defined events
- Time-stamped history and event logs
- Intelligent breaker interlock design to avoid improper operation

Simple Maintenance

- IR scan window for easy thermal measurement
- Swappable auxiliary power and control board for low MTTR
- Fully front access and compartmentalized electrical components ensure easy and safe access

Technical Specifications

IEC Model	STS-800A		STS-1250A	STS-1800A
Number of Poles	4			
INPUT				
Nominal Voltage	380/400/415 Vac, 3P4W+PE			
Voltage Range	342-456 Vac			
Frequency Range	60 ± 0.5 Hz (default)/ 50 ± 0.5 Hz			
Source Voltage Distortion	Up to 10% THD			
OUTPUT				
Nominal Voltage	380/400/415 Vac			
Frequency	50 ± 0.5 Hz (default)/ 60 ± 0.5 Hz			
Transfer Time	< 4 ms (synchronous sources). Meet ITIC curve.			
Overload Capability	101-125%: 30 min, 126-150%: 2 min, 151-500%: 0.25 sec			
Short Circuit Withstand Current	65 kA			
Current Crest Ratio	3.5:1			
EFFICIENCY				
Online Mode	> 99%			
COMMUNICATION INTERFACE				
Display	10-inch color LCD touchscreen			
Ports	USB type A x1, USB type B x2, RS-232 x2, Ethernet Port x1, Input dry contact x4, Output dry contact x6			
Protocol	SNMP, Modbus TCP, HTTP, HTTPS			
PHYSICAL				
Dimensions (W x D x H)	1212 x 905 x 2200 mm	2105x 911x 2188 mm	2100 x 855 x 2165 mm	
Net Weight	1010 kg	2220 kg	2014 kg	
ENVIRONMENT				
Operating Temperature	0 to 40°C			
Humidity	0-95% (non-condensing)			
Altitude	0-1200 m			
Storage Temperature	-40 to 80°C			
Ingress Protection Level	IP31		IP20	
CONFORMANCE				
Safety	CE. IEC 62310-1			
Surge Protection	ANSI C62.41 Cat B3			
Sustainability	RoHS, REACH			
Vibration	ISTA-3B			

All specifications are subject to change without prior notice.



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