

# Delta InfraSuite Power Management

## Static Transfer Switch (STS) 1800 A

### Power Non-Stop, Success's Top Spot

Elevate your power management with Delta STS — crafted for unrivalled reliability with seamless maintenance. Effortlessly monitor and control your power management with MODBUS and SNMP integration. Detailed diagnostics with extensive event logging ensures your business continues to thrive!



### Superior Reliability

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- Redundant auxiliary power, control board, fan and optional output breaker prevent single points of failure
- Layered security and intelligent breaker interlock design prevents improper operation

### Easy Management

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- 10" color display with touchscreen graphical interface
- Analyzes power source and load data with pre-/post-event data capture. Supports 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

### Simple Maintenance

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

## Technical Specifications

Model	STS-1800A
<b>INPUT</b>	
Nominal Voltage	380/400/415 Vac, 3P4W+PE
Voltage Range	342-456 Vac
Frequency Range	45-65 Hz
Source Voltage Distortion	Up to 10% THD
<b>OUTPUT</b>	
Nominal Voltage	380/400/415 Vac
Frequency	50/60 ± 0.5 Hz
Transfer Time	< 4 ms
Overload Capability	101-125%: 30 mins, 126-150%: 2 mins, 151-500%: 0.25 secs
Short Circuit Withstand Current	65 kA
Current Crest Ratio	3.5:1
<b>EFFICIENCY</b>	
Online Mode	> 99%
<b>COMMUNICATION INTERFACE</b>	
Display	10-inch color LCD touchscreen
Port	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
<b>PHYSICAL</b>	
Dimensions (W x D x H)	2100 x 855 x 2000 mm (without terminal protection enclosure) 2100 x 855 x 2165 mm (with terminal protection enclosure)
Net Weight	2014 kg
<b>ENVIRONMENT</b>	
Operating Temperature	0 to 40°C
Humidity	0-95% (non-condensing)
Altitude	0-1200 m
Storage Temperature	-40 to 80°C
Ingress Protection Level	IP20
<b>CONFORMANCE</b>	
Safety	CE
Surge Protection	ANSI C62.41 Cat B3
Sustainability	RoHS, REACH

All specifications are subject to change without prior notice.



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