Eaton STS 16

Product Snapshot

Power Rating:	26 kVA
Voltage:	208/230V
Frequency:	50/60 Hz (auto-sensing)
Configuration:	Rackmount

Source transfer system

Power supply redundancy for single-connection circuit equipment.

With the Eaton STS 16, power from 2 independent sources can be supplied to servers and circuit equipment which only have one input power supply.

Redundancy

While the majority of network devices and entry-level servers are single connection and only have one electrical power input, the Eaton STS can be connected to multiple pieces of critical equipment.

Both the primary and secondary sources are connected to the STS at the base of the rack. The STS controls the redundancy of this electrical power supply. If the primary source fails, the transfer to the secondary source is automatic and seamless.

Simple and cost-effective

Considering its advanced design, the price of the Eaton STS is highly competitive compared with the 'dual power supply' options available from suppliers of computer equipment.

Measuring at 1U high, the unit can be installed easily within the rack. Five LEDs indicate the status of the sources and the Eaton STS.

Reliability

Designed to provide redundancy as close as possible to the equipment, the Eaton STS deploys a technology based on relays:

- In the event of a short-circuit, the Eaton STS ensures that the fault cannot affect the alternative source, so that power continues to be supplied to the fault-free equipment
- Power is transferred without overlap of the sources in order to prevent any node of reliability
- Even if it suffers a fault, the Eaton STS continues to supply power to the equipment from the remaining available source

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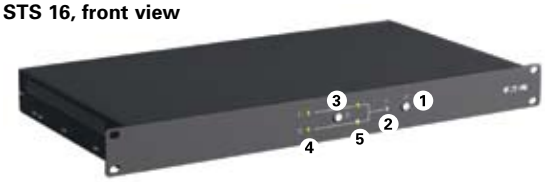
Technical specifications

Eaton STS 16

Nominal current	16 A
Compatibility	With all uninterruptible power supplies which use on-line double conversion technology
Input/output	
Voltage/input frequency	208/220/230/240 V +/- 12% ; 50/60 Hz
Output protection	1 thermal cutout per set of IEC 13 connectors
Performance	
Transfer time	6 ms
Technical standards	
Safety	EN 50091-1
EMC	EN 50022/B, IEC 1000-4
Marking	CE, TÜV/GS/UL
Connection	
Inputs	2 connecting cables with IEC C20 connector (16 A male connector)
Outputs	7 IEC C13 connectors 1 IEC C19 connector
Dimensions and weight	
Dimensions H x W x D	43 x 4 x 25 cm
Weight	11 lbs.
Customer Service & Support	
2 year guarantee	Standard exchange of the product
Communications software and hardware	
A simple and complete mimic diagram	Displays the various status of the sources and the Eaton STS
An 'STS COM' communication port	Of the dry contact type indicates the status of the sources and the Eaton STS: primary source, source OK, fault within the Eaton STS

STS 16, front view



1 Buzzer stop
2 Fault indicator
3 Select primary source
4 Status of the sources
- source OK
- source failed

5 Eaton STS output
- power supplied via the primary source
- supplied via the secondary source

STS 16, rear view

1 Circuit breakers
2 Output
3 Input

Part Numbers

STS 16	66028
Set of two 16 A connecting cables IEC female connector / USE-DIN male connector length 1.5 m	66397
1 cable / IEC 10 A male to IEC 16 A female	66029

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