

Rack Automatic Transfer Switch AP4424A

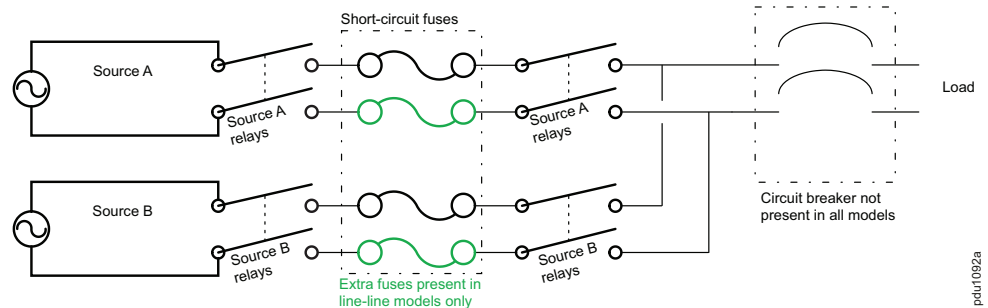


Overview

The APC Rack Automatic Transfer Switch (ATS) provides reliable, redundant power to single-corded equipment loads, such as servers. The Rack ATS has two input power cords supplying power to the connected loads. If the primary source becomes unavailable or goes out of the selected range, the Rack ATS will seamlessly source power from the secondary source without interrupting critical loads.

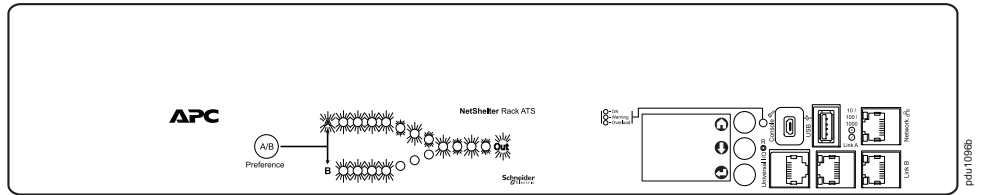
The Rack ATS has built-in network connectivity, which allows for remote management via Web, SNMP, SSH or Data Center Expert® interfaces.

ATS Schematic

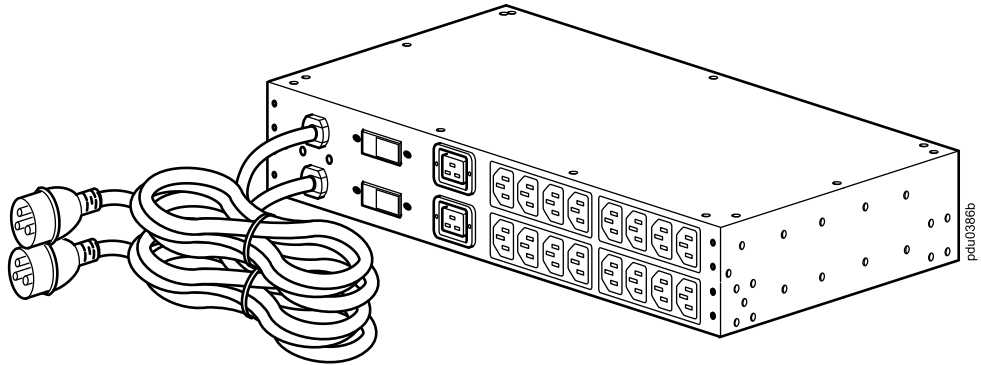


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Front



Rear



Input power cords: The two cords connect the Rack ATS to two separate power sources (A and B). The Rack ATS draws power from the preferred source and automatically switches to the secondary source when necessary. The two (2) 2.44-m (8-ft) power cords have IEC-309 32 A plugs.

Outlets: The outlets connect the Rack ATS to equipment in the rack or enclosure, providing a redundant source of power to the connected equipment. Each Rack ATS has sixteen (16) C13 outlets and two (2) C19 outlets.

Circuit breakers: The Rack ATS is protected by two (2) 16 A single-pole circuit breakers.

Specifications

Electrical	
Nominal input voltage	230 VAC
Acceptable input voltage	±10% of nominal
Input frequency	50/60 Hz
Input connectors	Two (2) 2.44-m (8-ft) IEC-309 32 A power cords
Output connectors	Sixteen (16) C13 outlets, Two (2) C19 outlets
Maximum output current (outlet)	10 A—C13 outlets 16 A—C19 outlets 16 A—bank 10 A—gang
Maximum output/input current	32 A
Overload protection	
Internal	Two (2) 16 A single-pole circuit breakers
External (recommended)	32 A facility provided
Transfer time	10 ms maximum (high sensitivity, 50–60 Hz) 12 ms maximum (low sensitivity, 50–60 Hz)
Short circuit current rating	10 kA
Physical	
Dimensions (H x W x D)	88.1 x 431.8 x 236.2 mm (3.47 x 17.00 x 9.30 in)
Shipping dimensions (H x W x D)	209.5 x 584.2 x 355.6 mm (8.25 x 23.00 x 14.00 in)
Weight	6.94 kg (15.30 lb)
Shipping weight	9.43 kg (20.80 lb)
Environmental	
Maximum elevation (above MSL)	
Operating	0 to 3000 m (0 to 10,000 ft)
Storage	0 to 15 000 m (0 to 50,000 ft)
Temperature	
Operating	–5 to 45°C (23 to 113°F)
Storage	–25 to 65°C (–13 to 149°F)
Humidity	
Operating	5 to 95%, non-condensing
Storage	5 to 95%, non-condensing
Compliance	
EMC	EN55032, EN55035, AS/NZ CISPR 32, KS C 9835, KS C 9832
Safety	UKCA, UL - EU / CE UL/EN/IEC 62368-1, LVD 2014/35/EU
Approved for IT Power Systems	Yes