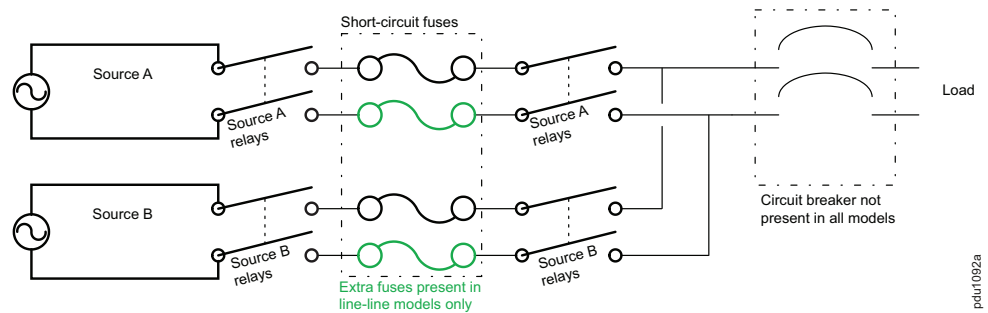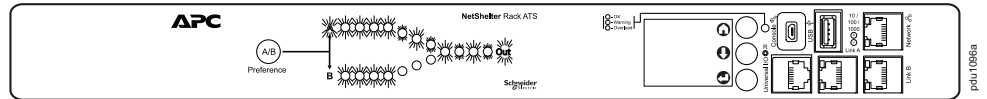# Rack Automatic Transfer Switch AP4450A

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.
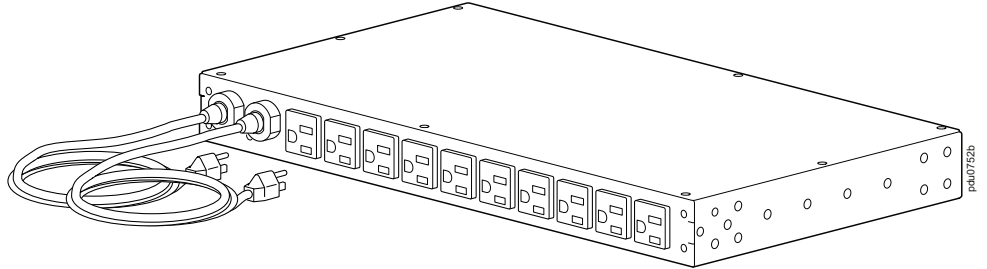
ATS Schematic

As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

Schneider Electric

Front

Rear

Input power cords: Two (2) 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 NEMA 5-15P 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 ten (10) 5-15R outlets.

Specifications

Electrical	
Nominal input voltage	100/120 VAC
Acceptable input voltage	±10% of nominal
Input frequency	50/60 Hz
Input connectors	Two (2) 2.44-m (8-ft) NEMA 5-15P power cords
Output connectors	Ten (10) 5-15R outlets
Maximum output current (outlet)	12 A (UL) 15 A (PSE)
Maximum output/input current	12 A (UL) 15 A (PSE)
Overload protection	
Internal External (recommended)	Not provided with unit 15 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)	43.7 x 431.8 x 236.2 mm (1.72 x 17.00 x 9.30 in)
Shipping dimensions (H x W x D)	114.3 x 600.2 x 355.6 mm (4.50 x 23.63 x 14.00 in)
Weight	4.40 kg (9.70 lb)
Shipping weight	6.17 kg (13.60 lb)
Environmental	
Maximum elevation (above MSL)	
Operating Storage	0 to 3 000 m (0 to 10,000 ft) 0 to 15 000 m (0 to 50,000 ft)
Temperature	
Operating Storage	–5 to 45 °C (23 to 113 °F) –25 to 65 °C (–13 to 149 °F)
Humidity	
Operating Storage	5 to 95%, non-condensing 5 to 95%, non-condensing
Compliance	
EMC	FCC Part 15 / ICES-003
Safety	cULus - PSE - UL/EN/IEC 62368-1