

APC Powerstack 450VA 1U 230V

Part Number : PS450I



Product Overview

Description	APC Smart-UPS RM, 450VA/280W, Input 230V/ Output 230V, Interface Port DB-9 RS-232, Rack Height 1 U
General Features	Automatic Voltage Regulation (AVR), Hot Swap Batteries, Intelligent Battery Management, Overload Indicator, Rack Mount, Replace Batt Indicator, Software, User Replaceable batteries, Wide input voltage range
Includes	User Manual, Rack Mounting Brackets, Smart UPS signalling RS-232 cable, CD with software

Includes

Management software included	PowerChute PowerStack Bundle
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Documentation

User Manual & Installation Guides

PowerStack - 250, 400; Quick Reference Guide
PowerStack - 250, 450; Installation Guide Errata Sheet
PowerStack - 250,450 (230V); User Manual
PowerStack - Rack-mount Rails (1U) PS250/PS450/PS250I/PS450I/PS450J
Addendum

Communications & Management

Interface port	DB-9 RS-232
Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators
Audible alarm	Alarm when on battery : distinctive low battery alarm
Emergency Power Off (EPO)	Optional

Output

Output power capacity	450 VA
Output power capacity	280 Watts
Nominal output voltage	230 V
Waveform type	Stepped approximation to a sinewave

Output Connections	(4)IEC 320 C13 (2)IEC Jumpers
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Input

Nominal input voltage	230 V
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connection Type	IEC-320 C14
Input voltage range for main operations	160 - 286 V
Input voltage adjustable range for main operations	151 - 302 V

Surge Protection and Filtering

Surge energy rating	320 joules
Filtering	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time : meets UL 1449

Runtime

Typical backup time at half load	19.4 minutes (140 Watts)
Typical backup time at full load	5.9 minutes (280 Watts)
Runtime Chart	Smart-UPS RM

Batteries

Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time **	5 hour(s)
Replacement battery cartridge	(1) RBC18

Physical

Maximum height dimensions	1.75 inches (4.45 cm)
Maximum width dimensions	17.50 inches (44.45 cm)
Maximum depth dimensions	13.00 inches (33.02 cm)
Rack Height	1 U
Net weight	22.50 lbs (10.23 kg)
Shipping Weight	26.50 lbs (12.05 kg)
Shipping Height	6.25 inches (15.88 cm)
Shipping Width	22.75 inches (57.79 cm)
Shipping Depth	17.50 inches (44.45 cm)
Color	Black
Units per Pallet	24.0

Environmental

Operating Environment	0 - 40 °C (32 - 104°F)
Operating Relative Humidity	0 - 95%
Operating Elevation	0-10000 feet (0-3000 m)
Storage Temperature	-15 - 45 °C (5 - 113°F)
Storage Relative Humidity	0 - 95% Non-condensing
Storage Elevation	0-50000 feet (0-15000 m)
Audible noise at 1 meter from surface of unit	38 dBA
Online thermal dissipation	34 BTU/hr

* Without TAX/VAT

** The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.