

Product data sheet

Specifications



APC Back-UPS 450VA, 120V, 6 NEMA outlets (2 surge)

BN450M-CA



Overview

Lead Time	Usually in Stock
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Main

Main Input Voltage	120 V
Main Output Voltage	120 V
Rated Power In W	255 W
Rated Power In Va	450 VA
Input Connection Type	NEMA 5-15P
Output Connection Type	4 NEMA 5-15R 2 NEMA 5-15R surge
Cable Length	1.52 m
Number Of Cables	1
Battery Type	Lead-acid battery
Provided Equipment	User manual

Batteries & Runtime

Run Time	View Runtime Graph 
Efficiency	View Efficiency Graph 
Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
Battery Recharge Time	8 h
Battery Charger Power	6 W rated
Battery Power In Vah	47 VAh runtime
Battery Life	3...5 year(s)
Battery Graph Comments	This graph is based on actual measured runtime data. All measurements were taken with new, fully charged batteries and a balanced resistive load (PF = 1.0). Actual runtimes may vary from the values of this graph. Actual runtimes are dependent on several v
Extended Runtime	0

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Redundant	No
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Physical

Colour	Black
Height	14 cm
Width	25.3 cm
Depth	10.5 cm
Net Weight	2.6 kg
Mounting Preference	No preference
Mounting Mode	Not rack-mountable
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	50/60 Hz +/- 3 Hz auto-sensing
Input Voltage Limits	88...139 V
Maximum Input Current	5 A
Switching Current Capacity	7 A

Output

Maximum Configurable Power In W	255 W
Output Frequency	50/60 Hz +/- 3 Hz sync to mains
Ups Type	Standby
Wave Type	Square wave
Graph Start Point	10
Maximum Configurable Power In Va	450 VA
Transfer Time	6 ms typical : 10 ms maximum

Conformance

Product Certifications	California Energy Commission (CEC) cTUVus
Equipment Protection Policy	Lifetime : \$75000

Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...10000 ft
Ambient Air Temperature For Storage	-20...50 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m

Communications & Management

Control Panel	LED Status display with on line : on battery
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Surge Protection and Filtering

Surge Energy Rate	180 J
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	22 cm
Package 1 Width	14 cm
Package 1 Length	31.5 cm
Package 1 Weight	3 kg
Scc14	10731304329388

Contractual warranty

Warranty	3 years repair or replace
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Energy Efficient Take-back Transparency RoHS/REACH

Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)