

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 AC 1 phase
Input Connection Type	NEMA 5-15P
Maximum input current	5 A
Switching current capacity	7 A
Input voltage limits	88...139 V
Network frequency	50/60 Hz +/- 3 Hz auto-sensing
Output voltage	120 V AC 1 phase
Rated power in W	255 W
rated power in VA	450 VA
Output connection type	4 NEMA 5-15R 2 NEMA 5-15R surge
USB Charging Port	None
Maximum configurable power in VA	450 VA
Maximum configurable power in W	255 W
Transfer time	6 ms typical : 10 ms maximum
UPS type	Standby
Wave type	Square wave
Output frequency	50/60 Hz +/- 3 Hz sync to mains

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery type	Lead-acid internal included
Control panel	LED Status display with on line : on battery
UPS connectivity	None
Surge energy rate	180 J
Cable length	1.5 m

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

Number of cables	1
Colour	Black
Height	140 mm
Width	253 mm
Depth	105 mm
Product weight	2.6 kg
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Mounting mode	Tower
Provided equipment	User manual
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Range of product	Back-UPS
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certifications	California Energy Commission (CEC) cTUVus
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...50 °C
Storage altitude	0...15240 m
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %
Operating altitude	0...10000 ft

Batteries & Runtime

Battery type	Lead-acid battery
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
Number of battery filled slots	0
Number of battery free slots	0
Battery recharge time	8 h
Battery life	3...5 year(s)
Battery charger power	6 W rated

Packing Units

Unit Type of Package 1	PCE
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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 (in months)	36 UPS 12 Battery
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	107 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	29 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	77 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	D7202d15-7cd4-470e-bd06-f47695f20bd8
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold



Energy efficiency

Energy Efficiency Optimized	Energy efficient product
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Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	62
End of life manual availability	End of Life Information
Removable battery	No
Take-back	Nej

Image of product / Alternate images

Alternative

