

Product data sheet

Specifications



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

BN450M

Overview

Lead time Usually in Stock

Main

Main Input Voltage	120 V
Main Output Voltage	120 V
Kw Rating	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	5 ft (1.52 m)
Number of cables	1
Battery Type	Lead-Acid battery
Provided equipment	User Manual

General

Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

Physical

Color	Black
Height	5.51 in (14 cm)
Width	9.96 in (25.3 cm)
Depth	4.13 in (10.5 cm)
Net Weight	5.73 lb(US) (2.6 kg)
Mounting preference	No preference
Mounting Mode	Not rack-mountable
Two post mountable	0

USB compatible	No
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Input

Input Frequency	50/60 Hz +/- 3 Hz auto-sensing
Efficiency at full load	88...139 V
Maximum Input Current per Phase	5 A
Switching current capacity	7 A

Output

Max Configurable Power (Watts)	255 W
Output frequency	50/60 Hz +/- 3 Hz sync to mains
Topology	Standby
Waveform Type	Square wave
Graph start point	10
Maximum configurable power in VA	450 VA
Transfer Time	6ms typical : 10ms maximum

Conformance

Product Certifications	California (CEC) Battery Charger cTUVus
Equipment protection policy	Lifetime : \$75000

Environmental

Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating altitude	0...10000 ft
Ambient Air Temperature for Storage	-4...122 °F (-20...50 °C)
Storage Relative Humidity	0...95 %
Storage altitude	0...50000 ft (0.00...15240.00 m)

Batteries & Runtime

Included Battery Modules	0
Battery Slots Empty	0
Typical recharge time	8 h
Battery Charge Power (Watts)	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 variables including battery age, battery charge level, environmental conditions and characteristics of the connected load.
Extendable Run Time	0

Communications & Management

Control panel	LED Status display with On Line : On Battery
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Surge Protection and Filtering

Surge energy rating 180 J

Ordering and shipping details

GTIN 731304329374

Packing Units

Unit Type of Package 1 Db

Number of Units in Package 1 1

Package 1 Height 8.66 in (22 cm)

Package 1 Width 5.51 in (14 cm)

Package 1 Length 12.40 in (31.5 cm)

Package 1 Weight 6.61 lb(US) (3 kg)

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Offer Sustainability

California proposition 65 WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

REACH Regulation [REACH Declaration](#)

EU RoHS Directive Compliant
[EU RoHS Declaration](#)

Mercury free Yes

RoHS exemption information [Yes](#)

Optimized Energy Efficiency Energy efficient product

Take-back Take-back program available

Contractual warranty

Warranty 3 years repair or replace

Recommended replacement(s)