

# Product data sheet

Specifications



APC Back-UPS Connect 450VA,  
120V, 6 NEMA outlets (2 surge),  
Battery is not user replaceable

BN450MNV

## Overview

Lead time Usually in Stock

## Main

Main Input Voltage	120 V AC 1 phase
Input Connection Type	NEMA 5-15P
Maximum Input Current per Phase	7 A
Switching current capacity	7 A
Efficiency at full load	88...139 V
Input 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
Max Configurable Power (Watts)	255 W
Transfer Time	6ms typical : 10ms maximum
Topology	Standby
Waveform 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 Size	Lead-acid internal included
Control panel	LED Status display with On Line : On Battery
UPS connectivity	None
Surge energy rating	180 J
Cable length	5 ft (1.5 m)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Number of cables	1
color	Black
Height	5.5 in (140 mm)
Width	10.0 in (253 mm)
Depth	4.1 in (105 mm)
Product Weight	5.7 lb(US) (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 (CEC) Battery Charger cTUVus
Equipment protection policy	Lifetime : \$75000
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	-20...50 °F (-29...10 °C)
Storage altitude	0...50000 ft (0...15240 m)
IP degree of protection	IP20
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 variables including battery age, battery charge level, environmental conditions and characteristics of the connected load
Extendable Run Time	0
Included Battery Modules	0
Battery Slots Empty	0
Typical recharge time	8 h
Battery Life	3...5 year(s)
Battery Charge Power (Watts)	6 W rated

# Ordering and shipping details

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GTIN 731304436669

## Packing Units

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Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.7 in (22 cm)
Package 1 Width	5.5 in (14 cm)
Package 1 Length	12.4 in (31.5 cm)
Package weight(Lbs)	6.6 lb(US) (3 kg)
SCC14	10731304436664

## Contractual warranty

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Warranty (in months) 12 Battery|36 UPS



## 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	<a href="#">Product Environmental Profile</a>

## 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	<a href="#">Compliant</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>



### Energy efficiency

Optimized Energy Efficiency	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
Circularity Profile	<a href="#">End of Life Information</a>
Removable battery	User replaceable
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.



Image of product / Alternate images

Alternative

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