

Product data sheet

Specifications



APC Back-UPS CS 500VA, 120V, beige, 6 NEMA outlets (3 surge)

BK500

Main

Main input voltage	120 V AC 1 phase
Input connection	NEMA 5-15P
Efficiency at full load	98...140 V
Input frequency	50/60 Hz +/- 3 Hz auto-sensing
Output voltage	120 V AC 1 phase
Rated power in W	300 W
Rated power in VA	500 VA
Output connection	3 NEMA 5-15R 3 NEMA 5-15R surge
Type of USB power supply	None
Maximum configurable power in VA	500 VA
Maximum configurable power in W	300 W
Maximum output current	10 A
Transfer time	8 ms typical : 12 ms maximum
UPS topology	Standby
Waveform type	Stepped approximation to a sinewave
Output frequency	50/60 Hz +/- 3 Hz sync to mains
Replacement battery	RBC2

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery capacity	7.0 Ah
Battery type	Lead-acid internal included
Control panel	LED Status display with on line : on battery
Control panel	LED status display with on line : on battery : replace battery and overload indicators
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
UPS connectivity	USB port
Let through voltage rating	300 V

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

Surge energy rating	480 J
Noise filtering	Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping response time : meets UL 1449
Cable length	1.8 m
Number of cables	1
Color	Beige
Height	165 mm
Width	91 mm
Depth	284 mm
Product weight	6.27 kg
Mounting location	Front
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	Yes
Mounting mode	Tower
Provided equipment	CD with software Cord management straps User manual USB cable
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 certification	cUL listed California Energy Commission (CEC) ENERGY STAR V2.0 (USA) Industry Canada
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...45 °C
Storage altitude	0...15240 m
Relative humidity	0...95 %
Storage relative humidity	0...95 %
Acoustic level	45 dBA
Heat dissipation	24 Btu/h
Operating altitude	0...10000 ft

Batteries & Runtime

Battery type	Lead-acid battery
Battery voltage	12 V

Battery graph comment	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
Extendable runtime	0
Included battery module	0
Empty battery slot	0
Typical recharge time	8 h
RBC quantity	1
Battery life	4...6 year(s)
Battery charging power	10 W rated

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	26.3 cm
Package 1 Width	35.7 cm
Package 1 Length	17.5 cm
Package 1 Weight	6.95 kg
SCC14	10731304016301

Contractual warranty

Warranty (in months)	12 Battery 36 UPS
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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	248 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	67 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.7 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	179 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 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
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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

Energy efficiency	
Energy Efficiency Optimized	Energy efficient product
 ENERGY STAR®	ENERGY STAR UPS V2.0 (USA)

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Recyclability potential, in %	62
End of life manual availability	End of Life Information
Removable battery	User replaceable

Take-back	No
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





