Product data sheet

Specifications



APC DIN Rail - Panel Mount UPS with Standard Battery 500VA 120V

SUA500PDR-S

Product availability: Stock - Normally stocked in distribution facility

Main

Main input voltage	120 V
Efficiency at full load	75...154 V adjustable 82...144 V
Input connection	1 Hard Wire 3-wire (1PH+N+G)
Input frequency	50/60 Hz +/- 3 Hz auto-sensing
Output voltage	120 V
Rated power in W	325 W
Rated power in VA	500 VA
Output connection	Hard Wire 3-wire (H N + E) for 1 zone(s)
Harmonic distortion	Less than 5%
Maximum configurable power in VA	500 VA
Maximum configurable power in W	325 W
UPS topology	Line Interactive
Waveform type	Sine wave
Efficiency	94 % full load)
Output frequency	47...53 Hz for 50 Hz nominal sync to mains 57...63 Hz for 60 Hz nominal sync to mains
Replacement battery	APCRBC135

Graphs

Run Time	View Runtime Graph

Complementary

Control panel	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators
Emergency power off	Yes
Free slot	1
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
Surge energy rating	540 J
Noise filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m
Height	5.8 in (148 mm)
Width	14.3 in (362 mm)

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

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

Depth	6.7 in (171 mm)
Product weight	28.35 lb(US) (12.86 kg)
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Provided equipment	CD with software Documentation CD Installation guide Smart UPS signalling RS-232 cable
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certification	UL Recognized
Ambient air temperature for operation	32…104 °F (0…40 °C)
Ambient air temperature for storage	5…113 °F (-15…45 °C)
Storage altitude	0…50000 ft (0…15240 m)
IP protection	IP20
Relative humidity	0…95 %
Storage relative humidity	0…95 %
Acoustic level	55 dBA
Heat dissipation	90 Btu/h
Operating altitude	0...10000 ft

Batteries & Runtime

Battery type	Lead-Acid battery
Extendable runtime	0
Included battery module	1
Empty battery slot	1
Typical recharge time	2 h
RBC quantity	1
Battery life	3…5 year(s)
Battery charging power	60 W rated

Ordering and shipping details

Category	09305-INDUSTRIAL UPS
Discount Schedule	IUPS
GTIN	731304733010
Returnability	No

Country of origin	PH

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	11.7 in (29.7 cm)
Package 1 Width	18.9 in (48.1 cm)
Package 1 Length	11.7 in (29.7 cm)
Package weight(Lbs)	29.37 lb(US) (13.32 kg)

Contractual warranty

Warranty (in months)	24

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	**499 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**191 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**5 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**295 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**7 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
SCIP Number	**B2b22a56-41f2-497e-9ea6-cf093b3b8bd3**
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**51**
Circularity Profile	End of Life Information
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.**