Product datasheet

Specifications



APC DIN Rail - Panel Mount UPS-without Battery-500VA 230V

SUA500PDRI

Overview

Presentation	Proven Industrial UPS power protection for control applications and harsh environments.

Main

Main input voltage	230 V
Other input voltage	220 V 240 V
Efficiency at full load	151...302 V adjustable 160...285 V
Input connection	1 hard wire 3-wire (1P + N + E)
Input frequency	50/60 Hz +/- 3 Hz auto-sensing
Output voltage	230 V
Other output voltage	220 V 240 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
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 APCRBC136

Complementary

Battery capacity	5.0 Ah
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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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	540 J
Noise filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
Height	148 mm
Width	362 mm
Depth	171 mm
Product weight	8.18 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	CE VDE
Standard	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-15…45 °C
Storage altitude	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 voltage	24 V
Extendable runtime	0
Included battery module	0
Empty battery slot	0

Packing Units

Unit Type of Package 1	PCE

Number of Units in Package 1	1
Package 1 Height	30.000 cm
Package 1 Width	30.000 cm
Package 1 Length	50.000 cm
Package 1 Weight	9.400 kg
Unit Type of Package 2	P12
Number of Units in Package 2	10
Package 2 Height	75.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	106.000 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	**442 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**137 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**3 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]	**5 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Average percentage of recycled plastic content	**15 %**
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

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**