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





APC DIN Rail - Panel Mount UPS with Standard Battery 500VA 230V

SUA500PDRI-S

Overview

Presentation	Proven Industrial UPS power protection for control applications and harsh environments.	
Lead time	Usually in Stock	
Main		
Main Input Voltage	230 V	
Other Input Voltage	220 V 240 V	
Main Output Voltage	230 V	
Other Output Voltage	220 V 240 V	
Rated power in W	325 W	
Rated power in VA	500 VA	
Product or component type	Uninterruptible power supply (UPS)	
Output connector type	Hard wire 3-wire (H N + E) 1	
Battery type	Lead-acid battery	
Provided equipment	CD with software Documentation CD Installation guide Smart UPS signalling RS-232 cable	

Batteries & Runtime

Extended runtime	0
Number of battery filled slots	1
Number of battery free slots	1
Battery recharge time	2 h
Number of battery replacement quantity	1
Battery life	35 year(s)
Replacement battery	APCRBC135 ☐
Battery charger power	60 W rated

General

Number of power module filled slots	0
Number of power module free slots	0

Redundant	No	

Physical

Height	14.8 cm
Width	36.2 cm
Depth	17.1 cm
Net weight	12.86 kg
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No

Input

Input voltage limits	151302 V adjustable 160285 V
Number of input connectors	1 hard wire 3-wire (1P + N + E)
Network frequency	50/60 Hz +/- 3 Hz auto-sensing

Output

Harmonic distortion	Less than 5 %
Maximum configurable power in VA	500 VA
Maximum configurable power in W	325 W
UPS type	Line interactive
Efficiency	94 % (full load)
Output frequency	4753 Hz for 50 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains

Conformance

Product certifications	CE VDE
Standards	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018

Environmental

Acoustic level	55 dBA
Heat dissipation	90 Btu/h
Operating altitude	010000 ft
Ambient air temperature for operation	040 °C
Ambient air temperature for storage	-1545 °C
Storage altitude	0.000000000015240.0000000000 m
IP degree of protection	IP20
Relative humidity	095 %
Storage Relative Humidity	095 %

Communications & Management

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 slots	1	
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm	

Surge Protection and Filtering

Surge energy rate	540 J
Noise suppression	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	29.7 cm
Package 1 Width	48.1 cm
Package 1 Length	29.7 cm
Package 1 Weight	13.32 kg

Contractual warranty

Warranty 2 years repair or replace



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	499
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
[™] Energy efficiency	
Optimized Energy Efficiency	Energy efficient product

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Removable battery	User replaceable
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	Yes