# Product data sheet

Specifications



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

SUA500PDRI-S

**Product availability: Non-Stock - Not normally stocked in distribution facility**

Discontinued

## Overview

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

## Main

| | |
|---|---|
| **Main input voltage** | 230 V |
| **Other input voltage** | 220 V<br>240 V |
| **Efficiency at full load** | 151...302 V adjustable<br>160...285 V |
| **Input connection** | 1 Hard Wire 3-wire (1PH+N+G) |
| **Input frequency** | 50/60 Hz +/- 3 Hz auto-sensing |
| **Output voltage** | 230 V |
| **Other output voltage** | 220 V<br>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<br>57...63 Hz for 60 Hz nominal sync to mains |
| **Replacement battery** | APCRBC135 |

## 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 |

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



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| | |
|---|---|
| **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) |
| **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<br>Documentation CD<br>Installation guide<br>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<br>VDE |
| **Standard** | EN/IEC 62040-1:2019/A11:2021<br>EN/IEC 62040-2:2006/AC:2006<br>EN/IEC 62040-2:2018 |
| **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 |



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## Ordering and shipping details

| | |
|---|---|
| **Category** | 09305-INDUSTRIAL UPS |
| **Discount Schedule** | IUPS |
| **GTIN** | 3606485441061 |
| **Returnability** | No |
| **Country of origin** | PH |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 16.929 in (43.000 cm) |
| **Package 1 Width** | 23.622 in (60.000 cm) |
| **Package 1 Length** | 31.496 in (80.000 cm) |
| **Package weight(Lbs)** | 44.070 lb(US) (19.990 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 24 |



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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 | **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** |
| 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 | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.** |



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