

# Product data sheet

Specifications



APC Smart-UPS, Line Interactive,  
500VA, Rackmount 1U, 120V, 4x  
NEMA 5-15R outlets, Short Depth

SC500RM1U

## Overview

Lead time Usually in Stock

## Main

Main Input Voltage 120 V AC 1 phase

Input Connection Type NEMA 5-15P

Input protection type Circuit breaker

Plug standard 5-15P

Efficiency at full load 75...154 V adjustable  
82...144 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 type 4 NEMA 5-15R

Maximum configurable power in VA 500 VA

Max Configurable Power (Watts) 300 W

Transfer Time 5ms typical : 8ms maximum

Topology Line Interactive

Waveform Type Stepped approximation to a sinewave

Output frequency 50/60 Hz +/- 3 Hz sync to mains

## Graphs

Run Time [View Runtime Graph](#)

Efficiency [View Efficiency Graph](#)

## Complementary

Battery Capacity 7 Ah

Battery Size Lead-acid internal included

Free slots 0

Control panel : front : replace battery and overload indicators

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

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

<b>UPS connectivity</b>	USB port Serial port
<b>Surge energy rating</b>	400 J
<b>Filtering</b>	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time : m
<b>Number of rack unit</b>	1U
<b>Cable length</b>	7.9 ft (2.4 m)
<b>Number of cables</b>	1
<b>color</b>	Black
<b>Height</b>	1.7 in (44 mm)
<b>Width</b>	17.3 in (440 mm)
<b>Depth</b>	10.6 in (268 mm)
<b>Product Weight</b>	17.9 lb(US) (8.1 kg)
<b>Mounting Location</b>	Front
<b>Mounting preference</b>	Lower
<b>Mounting Mode</b>	Rack-mounted
<b>USB compatible</b>	Yes
<b>Mounting position</b>	Horizontal
<b>Mounting mode</b>	Rack-mounted
<b>Provided equipment</b>	Installation guide Safety guide USB cable Smart UPS signalling RS-232 cable Rack Mounting brackets
<b>Number of power module</b>	0
<b>Number of power module filled slots</b>	0
<b>Number of power module free slots</b>	0
<b>Range of Product</b>	Smart-UPS
<b>Product or Component Type</b>	Uninterruptible power supply (UPS)

## Environment

<b>Product Certifications</b>	FCC part 15 class B UL 1778 cTUVus ENERGY STAR V2.0 (USA)
<b>Equipment protection policy</b>	Lifetime : \$150000
<b>Ambient Air Temperature for Operation</b>	32...104 °F (0...40 °C)
<b>Ambient Air Temperature for Storage</b>	5...113 °F (-15...45 °C)
<b>Storage altitude</b>	0...50000 ft (0...15240 m)
<b>IP degree of protection</b>	IP20
<b>Relative Humidity</b>	0...95 % non-condensing
<b>Storage Relative Humidity</b>	0...95 % non-condensing
<b>Acoustic level</b>	40 dBA
<b>Operating altitude</b>	0...10000 ft

## Batteries & Runtime

Battery Type	Lead-Acid battery
Battery Voltage	12 V
Extendable Run Time	0
Included Battery Modules	0
Battery Slots Empty	0
Typical recharge time	5 h
RBC Quantity	1
Battery Life	3...5 year(s)
Battery Charge Power (Watts)	22 W

## Ordering and shipping details

GTIN	731304452447
Country of origin	IN

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.5 in (14 cm)
Package 1 Width	19.7 in (50 cm)
Package 1 Length	13.1 in (33.3 cm)
Package weight(Lbs)	19.2 lb(US) (8.7 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	345 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	241 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	87 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	9 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>



### Energy efficiency

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

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	51
Circularity Profile	<a href="#">End of Life Information</a>
Removable battery	User replaceable
Take-back	Yes

Image of product / Alternate images

Alternative

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