

Product data sheet

Specifications



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

SCL500RM1UC

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

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
Efficiency at full load	92...139 V
Input Frequency	50/60 Hz +/- 3 Hz auto sensing
Output voltage	120 V AC 1 phase
Rated power in W	400 W
rated power in VA	500 VA
output connection type	4 NEMA 5-15R
Harmonic distortion	Less than 5%
Maximum configurable power in VA	500 VA
Max Configurable Power (Watts)	400 W
Transfer Time	6ms typical : 10ms maximum
Topology	Line Interactive
Waveform Type	Sine wave
Output frequency	50/60 Hz +/- 3 Hz sync to mains

Graphs

Run Time [View Runtime Graph](#)

Efficiency [View Efficiency Graph](#)

Complementary

Battery Size	Li-Ion (Lithium Ion) internal included
Control panel	LED status display with On Line : On Battery : Replace Battery and Building Wiring Fault
Free slots	0
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays

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

UPS connectivity	Serial port USB port SmartConnect port
Communication port support	SmartConnect Ethernet port: for cloud monitoring feature availability varies by terms of use
Software package	SmartConnect software for remote power monitoring feature availability varies by terms of use
Surge energy rating	680 J
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m
Number of rack unit	1U
Cable length	6 ft (1.8 m)
Number of cables	1
color	Black with silver front bezel
Height	1.7 in (44 mm)
Width	17.008 in (432 mm)
Depth	9.1 in (232 mm)
Product Weight	9.22 lb(US) (4.18 kg)
Mounting preference	No preference
Mounting Mode	Rack-mounted
USB compatible	Yes
Mounting mode	Rack-mounted
Provided equipment	CD with software Documentation CD Installation guide Rack Mounting support rails USB cable
Additional specification	Cloud-enabled monitoring
Redundant	No
Range of Product	Smart-UPS
Product or Component Type	Uninterruptible power supply (UPS)

Environment

Product Certifications	cULus NOM
Equipment protection policy	Lifetime : \$150000
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...25000 ft (0...7620 m)
IP degree of protection	IP20
Relative Humidity	0...95 % non-condensing
Storage Relative Humidity	0...95 % non-condensing
Acoustic level	45 dBA
Online Thermal Dissipation	41.61 Btu/h
Operating altitude	0...10000 ft

Batteries & Runtime

Battery Type	Li-Ion (Lithium Ion)
Battery graph comments	This graph is based on actual measured runtime data. All measurements were taken with new, fully charged batteries and a balanced resistive load (PF = 1.0). Actual runtimes may vary from the values of this graph. Actual runtimes are dependent on several variables including battery age, battery charge level, environmental conditions and characteristics of the connected load.
Extendable Run Time	0
Battery design life	8...10 year(s)
Battery Charge Power (Watts)	10 W rated

Ordering and shipping details

Category	80230-IG SEBA TO SEUSA
Discount Schedule	BMS1
GTIN	731304344551
Returnability	No
Country of origin	PH

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.6 in (16.8 cm)
Package 1 Width	23.2 in (59 cm)
Package 1 Length	13.3 in (33.7 cm)
Package weight(Lbs)	13.2 lb(US) (6 kg)

Contractual warranty

Warranty (in months)	60
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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	184 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	70 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.8 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.4 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	108 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	C151e0e4-d5aa-4595-a297-c593b8808426
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold



Energy efficiency

Optimized Energy Efficiency	Energy efficient product
Product contributes to saved and avoided emissions	Yes

Use Longer



Lifetime extension

Repair	No
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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.

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Premium Power Protection

Maintain business operations, customer satisfaction, and revenue by mitigating power and voltage disruptions.



500VA / 400W
Battery backup



Pure sine
wave power



98.6%
Energy efficiency



Offer Marketing Illustration

Product benefits / Features

Keep your critical applications running when you need them the most

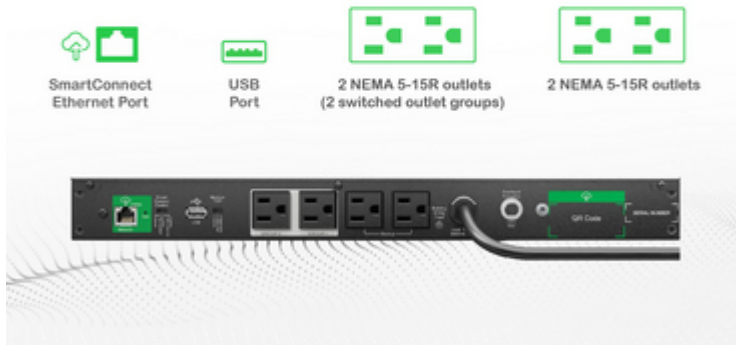


Offer Marketing Illustration

Product benefits / Features

Communication Ports and Outlets

Advanced monitoring and management capabilities with numerous outlets to power and protect all your sensitive devices.



Offer Marketing Illustration

Product benefits / Features

Key Features



Higher power density

Increased power density with a smaller footprint compared to previous Smart-UPS SC models



Short depth design

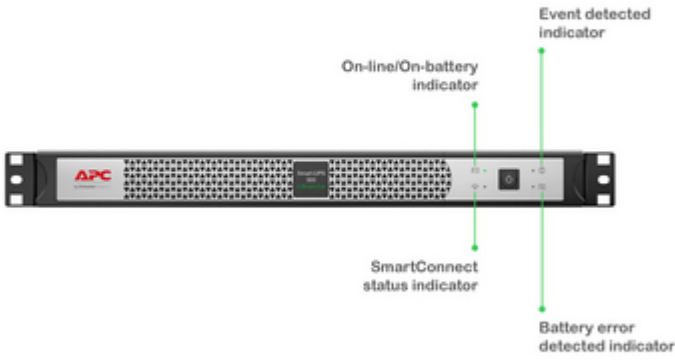
9.1-inch depth enables easy and flexible setup in tight locations



Offer Marketing Illustration

Product benefits / Features

Front panel display features



Offer Marketing Illustration

Product benefits / Features

Runtime

Support your sensitive electronics with battery power during utility power outages.



Image of product / Alternate images

Alternative

