

# Product data sheet

Specifications



APC Smart-UPS RT 20kVA, 208V, LCD, rackmount, 12U, 4x NEMA L6-20R & 2x NEMA L6-30R outlets

SURT20KRMXLT

Product availability: Stock - Normally stocked in distribution facility

## Overview


Lead time Usually Ships within 2 Weeks

## Main

Main Input Voltage	208 V AC 1 phase 240 V AC 1 phase
Other Input Voltages	240 V
Maximum Input Current per Phase	114 A
Input Total Harmonic Distortion	Less than 5% for full load
Cos phi	0.99
Switching current capacity	125 A
Efficiency at full load	160...280 V
Number of input connectors	1 Hard Wire 3-wire (2PH + G)
Input Frequency	40 - 70 Hz auto-sensing
Output voltage	208 V AC 1 phase 240 V AC 1 phase
Other Output Voltages	240 V
Rated power in W	16000 W
rated power in VA	20000 VA
output connection type	4 NEMA L6-20R 2 NEMA L6-30R
Output connector type	Hard Wire 3-wire (2PH + G) for 1 zone(s)
Bypass type	Built-in Static Bypass Internal Bypass (Automatic and Manual) Optional External Bypass
Crest factor	3 : 1
Harmonic distortion	Less than 5%
Maximum configurable power in VA	20000 VA
Max Configurable Power (Watts)	16000 W
Overload Operation	60 seconds @ 125% and 30 seconds @ 150%
Topology	On-Line
Waveform Type	Sine wave
Efficiency at full load	93 % in battery operation)
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 sync to mains
Replacement battery	<a href="#">APCRBC140</a>

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

## Graphs

Run Time [View Runtime Graph](#) 

Efficiency [View Efficiency Graph](#) 

## Complementary

Additional information	Configurable for 208 or 240 nominal output voltage
Battery Size	Lead-acid internal included
Emergency Power Off (EPO)	Yes
Free slots	0
Pre-Installed SmartSlot Cards	Network management card 2 with environmental monitoring
UPS connectivity	Serial port Pre-installed network management card 3
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m
Number of rack unit	12U
color	Black
Height	21.0 in (533 mm)
Width	17.008 in (432 mm)
Depth	30.4 in (773 mm)
Product Weight	546.15 lb(US) (247.73 kg)
Mounting Location	Front
Mounting preference	Lower
Mounting Mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted with included kit
Provided equipment	CD with software Rack Mounting support rails Smart UPS signalling RS-232 cable User Manual Web/SNMP Management Card
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Range of Product	Smart-UPS On-Line
Product or Component Type	Uninterruptible power supply (UPS)

## Environment

Product Certifications	UL 1778
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 degree of protection	IP20

Relative Humidity	0...95 % non-condensing
Storage Relative Humidity	0...95 % non-condensing
Acoustic level	59 dBA
Online Thermal Dissipation	4320 Btu/h
Operating altitude	0...10000 ft

## Batteries & Runtime

Battery Type	Lead-Acid battery
Battery Voltage	+/-192 V (split battery referenced to neutral)
Extendable Run Time	1
Included Battery Modules	4
Battery Slots Empty	0
Typical recharge time	2 h
RBC Quantity	4
Battery Life	3...5 year(s)
End of Discharge Battery Voltage	+/-154 V
Battery Charge Power (Watts)	1910 W rated

## Ordering and shipping details

Category	80230-IG SEBA TO SEUSA
Discount Schedule	BMS1
GTIN	731304266358
Returnability	No
Country of origin	PH

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	39.0 in (99 cm)
Package 1 Width	39.5 in (100.3 cm)
Package 1 Length	24.02 in (61 cm)
Package weight(Lbs)	692.85 lb(US) (314.27 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	27 109 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 804 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	42 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	23 226 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	37 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
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>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	65
Circularity Profile	<a href="#">End of Life Information</a>
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.