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
Product or Component Type	Uninterruptible power supply (UPS)
Other Input Voltage	240 V
Main Output Voltage	208 V
Other Output Voltage	240 V
Kw Rating	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) 1
Number of rack unit	12U
Provided equipment	CD with software Rack Mounting support rails Smart UPS signalling RS-232 cable User Manual Web/SNMP Management Card
Range of Product	Smart-UPS On-Line

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
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)
Replacement battery	APCRBC140

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

End of Discharge Battery Voltage	+/-154 V
Battery Charge Power (Watts)	1910 W rated

General

Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Topology	Double Conversion Online

Physical

color	Black
Height	20.98 in (53.3 cm)
Width	17.01 in (43.2 cm)
Depth	30.43 in (77.3 cm)
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

Input

Maximum Input Current per Phase	114 A
Input Total Harmonic Distortion	Less than 5% for full load
Input Power Factor at Full Load	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

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%
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

Additional information	Configurable for 208 or 240 nominal output voltage

Conformance

Product Certifications	UL 1778

Environmental

Acoustic level	59 dBA
Online Thermal Dissipation	4320 Btu/h
Operating altitude	0...10000 ft
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 (0.0000000000…15240.0000000000 m)
IP degree of protection	IP20
Relative Humidity	0…95 % non-condensing
Storage Relative Humidity	0…95 % non-condensing

Communications & Management

Emergency Power Off (EPO)	Yes
Free slots	0
Pre-Installed SmartSlot™ Cards	Network management card 2 with environmental monitoring

Surge Protection and Filtering

Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m

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
Number of Units in Package 1	1
Package 1 Height	38.98 in (99 cm)
Package 1 Width	39.49 in (100.3 cm)
Package 1 Length	24.02 in (61 cm)
Package 1 Weight	692.85 lb(US) (314.27 kg)

Contractual warranty

Warranty	2 years repair or replace

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

Carbon footprint (kg CO2 eq, Total Life cycle)	37751
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
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

Energy efficiency

Optimized Energy Efficiency	Energy efficient product

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	Yes