



APC Smart-UPS RT 20kVA RM 230V

SURT20KRMXLI

Call for More Information (0) 2 617 5555

- Includes: CD with software, Rack mounting support rails, Smart UPS signalling RS-232 cable, User manual, Web/SNMP management card

Output	
Output power capacity	16.0kWatts / 20.0kVA
Max Configurable Power (Watts)	16.0kWatts / 20.0kVA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 400 or 415 V 3 Phase nominal output voltage
Output Voltage Distortion	Less than 5 %
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz Sync to mains
Other Output Voltages	220, 240
Load Crest Factor	3 : 1
Topology	Double conversion online
Waveform type	Sine wave
Overload Operation	60 seconds at 125% and 30 seconds at 150%
Output Connections	(2) IEC Jumpers (1) Hard wire 5-wire (3P + N + E) (8) IEC 60320 C19 (1) Hard Wire 3-wire (H N + G) (8) IEC 320 C19
Bypass	Built-in static bypass, Internal bypass (automatic and manual), Optional external bypass


Input	
Nominal Input Voltage	230V, 400V 3PH
Input frequency	40 - 70 Hz Auto-sensing
Input Connections	Hard wire 3-wire (1P + N + E), Hard wire 5-wire (3P + N + E)
Input voltage range for main operations	160 - 280V

Disclaimer: 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's applications.

Technical Specifications

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Input	
Input Total Harmonic Distortion	Less than 5 % for full load
Other Input Voltages	220, 240
Maximum Input Current	115.0A
Input Power Factor at Full Load	0.98

Batteries & Runtime	
Battery type	Lead-acid battery
Included Battery Modules	4
Typical recharge time	2.5hour(s)
Nominal Battery Voltage	+/- 192 V (split battery referenced to neutral)
Replacement Battery	APCRBC140 
Expected Battery Life (years)	3 - 5
RBC Quantity	4
Battery Charge Power (Watts)	1.53kWatts
Extendable Run Time	1
Extended Run Options	APC-Smart-UPS-RT-20kVA-RM-230V (Available in Technical Tab on site)
End of Discharge Battery Voltage	+/- 154 V
Efficiency in Battery Operation	93.0 %
Runtime	View Runtime Graph (Available in Technical Tab on site) View Runtime Chart (Available in Technical Tab on site)
Efficiency	View Efficiency Graph (Available in Technical Tab on site)

Communications & Management	
Interface Port(s)	DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot
Pre-Installed SmartSlot™ Cards	AP9631 (Available in Technical Tab on site)
Control panel	Multifunction LCD status and control console
Audible Alarm	Audible and visible alarms : configurable delays
Emergency Power Off (EPO)	Yes

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Surge Protection and Filtering

Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
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Physical

Maximum Height	533MM, 53.3CM
Maximum Width	432MM, 43.2CM
Maximum Depth	773MM, 77.3CM
Rack Height	12U
Net Weight	247.73KG
Shipping weight	314.09KG
Shipping Height	990MM, 99.0CM
Shipping Width	610MM, 61.0CM
Shipping Depth	1003MM, 100.3CM
Color	Black
Units per Pallet	1.0

Environmental

Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 (Non-condensing) %
Operating Elevation	0 - 3048meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95 (Non-condensing) %
Storage Elevation	0 - 15240meters
Audible noise at 1 meter from surface of unit	59.0dBA
Online thermal dissipation	3770.0BTU/hr
Protection Class	IP20

Conformance

Approvals	BSMI, EN/IEC 62040-1-1, EN/IEC 62040-2, VDE
Standard warranty	2 years repair or replace

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Sustainable Offer Status	
RoHS	Compliant
PEP	Available in Documentation tab
EOLI	Available in Documentation tab
Proposition 65 Warning	Available in Documentation tab

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