

Smart-UPS® RT

Performance power protection with scalable runtime for space-constrained server rooms, and voice and data networks.

APC Smart-UPS RT 15kVA and 20kVA are versatile high-density, performance UPSs for voice and data networks, medical labs, and light industrial applications. Capable of supporting up to 20kVA in a 12U rack/tower convertible form, users can support power hungry blade servers or heavily loaded equipment racks. This flexible form factor allows standardization across multiple applications. High power internal chargers allow virtually unlimited additional matching battery packs to comply with aggressive runtime demands of business-critical systems. Customers with harsh power environments looking for extremely tight voltage and frequency regulation, internal bypass, and input power factor correction typical of double conversion online topology will get them in the Smart-UPS RT.

Features and Benefits:

ADAPTABILITY

- Plug-and-Play external batteries
- Rack/Tower convertible
- 1:1, 3:1, 3:3 input/output

AVAILABILITY

- Automatic internal bypass
- Scalable runtime
- Intelligent charger

MANAGEABILITY

- Network manageable
- InfraStruXure Central compatible
- LCD Display

PROTECTION

- Frequency and voltage regulation
- Input power factor correction

SERVICEABILITY

- Removable wiring tray
- Automatic self-test Audible alarms
- Hot swappable system fans



APC Part Number	SURT15KRMXLI / SURT20KRMXLI
Input	
Input:Output Phase (User Configurable)	1:1(factory default), 3:1, 3:3
Bypass	
Internal Bypass	Automatic and Manual
Nominal Input Voltage	230V
Input voltage range for main operations (full load)	160/277V - 275/476V
Input voltage range for main operations (half load)	100/173V - 275/476V
Input Frequency	40-70 Hz auto-selecting
Total input current harmonic distortion %	<6%
Input Connections	Hard Wire 3-wire (1PH +N + G),Hard Wire 5-wire (3PH + N + G)
Output	
Nominal Output Voltage	220V,230V(default), 240V
Output Voltage Regulation	+/- 1% (typical)
Output Frequency (sync to mains)	57 - 63 Hz for 60 Hz nominal; 47 - 53 Hz for 50 Hz nominal
Max Configurable Power	12,000 Watts / 16,000 Watts
Max Configurable Power	15,000 VA / 20,000 VA
Output Power Capacity	12,000 Watts / 16,000 Watts
Output Power Capacity	15,000 VA / 20,000 VA
Waveform Type	Sine wave
Output Connections (1P non UXL Models)	(8)IEC 320 C19, (1)Hard Wire 3-wire (H N + G), Hard Wire 5-wire (3PH + N + G)
Optional PDUs (1P non UXL Models)	SYPD4, SYPD9, SYPD10
Batteries and Runtime	
Replacement battery cartridge	(4) RBC44
Full Load w/ (1) battery frame	7 minutes / 5 minutes
External Battery Frame	SURT192RMXLB2
Typical recharge time (hours) 90% capacity w/ (1) battery frame	< 3hours
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Communications and Management	
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Control panel	Multi-function LCD status and control console
Interface Port(s)	DB-9 RS-232,RJ-45 10 Base-T ethernet for web/ SNMP/ Telnet management
Pre-Installed SmartSlot™ Cards	AP9619
Available SmartSlot™ Interface Quantity	1
Emergency Power Off (EPO)	Yes
Environmental / Physical	
Thermal Output (BTU /Hr; on line full load)	2,615.00 BTU/hr / 3,487.00 BTU/hr
Color	Black
Maximum Height	533 mm
Maximum Width	432 mm
Maximum Depth	773mm
Net Weight	172.73 kg
Rack Height	12U
Shipping Height	990mm
Shipping Width	609.6mm
Shipping Depth	1003mm
Shipping Weight	313.6kg
Regulatory Approvals	
Conformance	C-tick, IEC 62040-1-1, IEC 62040-2, EN 55022 Class A, EN 61000-3-2
Standard Warranty	2 years repair or replace,optional on-site warranties available,optional extended warranties available