APC Smart-UPS RT On-Line

5 – 10kVA Brochure

Compact, efficient and flexible power protection for business applications.

Ideal for a range of applications, from network and server rooms to branch offices and secure power uses, the new APC Smart-UPS RT On-Line provides high-density, double-conversion online power protection, scalable runtime, and affordability without sacrificing quality.

Smart-UPS On-Line is capable of supporting loads from 5 - 10kVA in a flexible, compact rack/tower convertible form. When business systems require runtime in hours, not minutes, Smart-UPS On-Line can be configured with multiple battery packs to meet aggressive runtime demands.

Smart-UPS RT On-Line is available at a competitive price, providing refreshed features and value to customers with demanding power conditions.

That's Certainty in a Connected World.

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by Schneider Electric

APC Smart-UPS RT On-Line New Features

Rackmount and Tower Models 5, 6, 8 & 10 kVA

High Output Power Factor
More real output power in watts.
Unity on 5kVA – 10kVA units.

High Efficiency "Green Mode"
Achieves efficiency greater than 98%, which helps save utility and cooling costs without compromising performance or reliability.

Multi-color LCD Display
Intuitive interface provides detailed and accurate information with the ability to configure locally.

Switchable Outlet Groups
Ability to control a group of receptacles independent from the main UPS.

Pre-installed Network Card
Ability to control a group of receptacles

APC Smart-Slot
Ability to add APC accessories for additional communication options.

Three-year Warranty on Electronics
Additional year of warranty protection for electronics provides peace of mind.

Emergency Power Off (EPO)
Remote UPS shutoff in the event of an emergency.

Communication Ports
Serial, USB and SmartSlot for network accessory cards.

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LCD display

Intuitive, easy-to-use LCD provides clear and accurate information in multiple languages

Red: indication of UPS alarm that requires immediate attention
Amber: indication of condition that requires attention

Standard features

LCD display screen
Accurately provides real-time status updates in your choice of basic or advanced menus

UPS status (scrolling)
- Output voltage
- Input voltage
- Output frequency
- Run time
- Load
- Battery Health

Control
- UPS and outlet group settings
- Bypass control

Configuration
- Output voltage, frequency
- Language, brightness, contrast
- Audible alarm
- IP address

Test and diagnostics
- Initiate battery and runtime calibration tests

About
- UPS serial number, battery part number
- Battery install and suggested replacement dates

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Product Accessories

Battery Packs

- SRTG192XLBP4: APC Smart-UPS RT 192V 5Ah Battery Pack (32 pcs x 12V/5Ah)

Replacement Battery Cartridges

- APCRBC170: APC Replacement Battery Cartridge #170
- APCRBC174 : APC Replacement Battery Cartridge #174

Rail Kits

- SRTGRK1: APC Smart-UPS RT 19" Rail Kit For 5-20kVA

Ecostruxure IT Ready
Connecting hybrid IT environments for advanced insights

Cloud-based vendor-neutral monitoring with EcoStruxure™ IT

EcoStruxure IT Expert monitors and helps to protect your business equipment, providing 24/7 visibility through live data, smart alarming and data-driven insights on the health of your connected assets directly to your Smartphone.

When you upgrade to EcoStruxure™ Asset Advisor, remote troubleshooting is provided by the experts monitoring your connected assets 24x7.
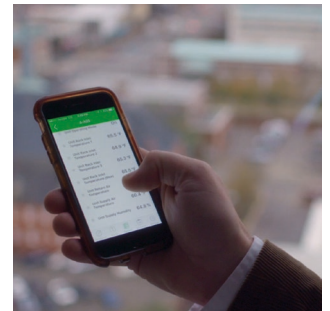Learn more at: schneider-electric.com/ecostruxure

Remote service
Increase your data center's uptime with intelligent 24x7 monitoring and remote troubleshooting service.

Analytics
Gain insight into how well your data center runs — receive recommendations and data-driven intelligence.

Mobile insights
Stay connected to your data center with live data and alarms on your smartphone app.

PowerChute Network Shutdown

Built-in manageability for your UPS unit
Virtualized shutdown of multiple devices PowerChute™ Network Shutdown Edition software provides UPS management, system shutdown and innovative energy reporting capabilities. Energy usage, cost and CO_2 reporting provides a greater understanding of the energy consumed by IT equipment, enabling improved energy efficiency. Advanced analysis features help to identify the causes of potential power-related problems before they occur for the health of your equipment.

PowerChute Network Shutdown Features:

- Graceful network-based shutdown
- Sequenced server shutdown
- Integration with VMware and Microsoft Hyper-V
- Support for virtual clusters
- Migration / shutdown by virtual machine
- IPv6 support
- Virtual machine prioritization
- Command file integration
- Redundant and parallel UPS support
- Event logging
- HTTPS communications
- Scalable architecture for host of client system

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Runtime Estimates (in minutes)

Full Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
5kVA/5kW	3.6	19.2	35.8	54.1	72.1
6kVA/6kW	2.3	15.4	29.2	45	58

Half Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
5kVA/2.5kW	11	43.7	78.6	116.9	154.7
6kVA/3kW	8.3	35.9	65	98	125.4

Full Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
8kVA/8kW	4.9	14.6	24.9	34.1	47.9
10kVA/10kW	3.6	11.2	19.5	28.5	37.2

Half Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
8kVA/4kW	13.7	33.9	55.6	74.8	103.6
10kVA/5kW	11	26.9	44.1	63	81.3

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Technical Specifications

SKU	SRTG5KXLI	SRTG6KXLI	SRTG8KXLI	SRTG10KXLI
Output				
Output power factor	Unity			
Nominal output voltage	220 / 230 (default) / 240V			
Output frequency	50/60 Hz ± 4 Hz (auto sense) / 50/60 Hz ± 0.1 Hz (battery mode)			
Topology	Double Conversion On-Line			
Online efficiency at full load (typical)	>93.5%			
Green mode efficiency at full load (typical)	>98%			
Output connections	Terminal block, 2 x IEC C13 (SOG) , 1 x IEC C19			
Input				
Nominal input voltage	220/230/240VAC (user selectable)			
Input voltage range at full load	160 – 285 Vac			
Input frequency range	40 – 70 HZ			
Input connection	Hardwire 3-wire (1PH + N + G)			
Battery				
Battery type	Leak proof Sealed Maintenance Free Valve Regulated Lead Acid Battery.			
Typical backup time at ½ load (min.)	11	8.3	13.7	11
Typical backup time at full load (min.)	3.6	2.3	4.9	3.6
Nominal DC voltage	± 96Vdc			
User battery replaceable	Yes			
Communication and management				
Interface ports	Serial (RJ45), USB (Type B) and Smart-Slot (pre-installed with A9641 includes ethernet port)			
Control panel	Multi-color LCD with 5 front panel buttons (320 x 240 pixel display)			
Emergency Power Off (EPO)	✓			
Physical				
Unit dimensions (W x H x D) (mm)	440 x 620 x 175 mm		Power module: 440 x 620 x 131mm Battery pack: 440 x680 x131 mm	
Unit weight	51.8 kg	51.8 kg	Power module: 17.3 kg Battery pack: 83.5 kg	Power module: 17.9 kg Battery pack: 83.5 kg
Environment				
Noise level	55dB max.			58db
Operating Temperature	0 - 40 ºC (40ºC~50ºC, derating, 75%~100%; -20 degree can start UPS)			
Humidity	0 - 95% (non-condensing)			
Conformance				
Regulatory approvals	CE/CB			
Warranty	3 years for electronics, 2 years for battery			

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