



# 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.

[www.apc.com](http://www.apc.com)

Life Is 

**APC**<sup>™</sup>  
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.

# 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

# 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](http://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 CO2 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

# 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

# Technical Specifications

SKU	SRTG5KXLI	SRTG6KXLI	SRTG8KXLI	SRTG10KXLI
<b>Output</b>				
Output power factor	Unity			
Nominal output voltage	220 / 230 (default) / 240V			
Output frequency	50/60 Hz $\pm$ 4 Hz (auto sense) / 50/60 Hz $\pm$ 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			
<b>Input</b>				
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)			
<b>Battery</b>				
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	$\pm$ 96Vdc			
User battery replaceable	Yes			
<b>Communication and management</b>				
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)	✓			
<b>Physical</b>				
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
<b>Environment</b>				
Noise level	55dB max.			58db
Operating Temperature	0 - 40 °C (40°C~50°C, derating, 75%~100%; -20 degree can start UPS)			
Humidity	0 - 95% (non-condensing)			
<b>Conformance</b>				
Regulatory approvals	CE/CB			
Warranty	3 years for electronics, 2 years for battery			

Life Is n

**APC**<sup>TM</sup>

by **Schneider** Electric

132 Fairgrounds Rd  
West Kingston, RI 02892  
Phone: + 01 (401) 789-5735  
[www.schneider-electric.com](http://www.schneider-electric.com)

©2020 Schneider Electric. All Rights Reserved. Schneider Electric | Life Is On, APC, and PowerChute are trademarks and the property of Schneider Electric SE, its subsidiaries, and affiliated companies. All other trademarks are the property of the respective owners.