



# APC Smart-UPS RT On-Line

15 – 20kVA 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 15 - 20kVA 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)

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**APC**<sup>™</sup>  
by Schneider Electric

# APC Smart-UPS RT On-Line New Features

Rackmount and Tower Models 15 & 20 kVA



SRTG20KXLI

## High Output Power Factor

More real output power in watts.  
Unity on 15kVA – 20kVA 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.

## Pre-installed Network Card

Ability to control a group of receptacles. Ships with AP9641.

## Single-Phase and 3-Phase Input/ Output Options

1PH:1PH, 3PH:1PH and 3PH:3PH power options for installation flexibility.

## 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



## 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

### Control

- UPS settings
- Bypass control

### Configuration

- Output voltage, frequency
- Language, brightness, contrast
- Audible alarm

### Test and diagnostics

- Initiate battery and runtime calibration tests
- Event logs and alarms

### About

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

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

# Smart-UPS Management Solutions

## 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



# Product Accessories

## Battery Packs

- SRTG192XLBP2: APC Smart-UPS RT 192V 9Ah Battery Pack 2 Rows (32 pcs x 12V/9Ah)



## Replacement Battery Cartridges

- APCRBC172: APC REPLACEMENT BATTERY CARTRIDGE #172 (for 9Ah-2Row). *Customer needs to order 2, APCRBC172*
- SRTG03: APC Smart-UPS RT 5M Extension Cable for 9Ah External Battery Pack 15K/20K UPS



## Rail Kits

- SRTGRK1: APC Smart-UPS RT 19" Rail Kit For 5-20kVA
- SRTGRK2 APC SMART-UPS RT 19" Rail Kit For External Battery Pack 15/20kVA



# Runtime Estimates (in minutes)

## Full Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
15kVA/15kW	4.75	12.5	22	33	46
20kVA/20kW	3	9	18	23	30

## Half Load

Power Rating	Internal Battery	External battery packs			
		+1	+2	+3	+4
15kVA/15kW	14	33	54	80	101
20kVA/20kW	9	22	39	50	70

# Technical Specifications

SKU	SRTG15KXLI	SRTG20KXLI
<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)	>94%	
Green mode efficiency at full load (typical)	98%	
Output connections	Hardwire output + (1) IEC C19, 1:1, 3:1 and 3:3	
<b>Input</b>		
Nominal input voltage	380/400/415Vac (user selectable)	
Input voltage range at full load	160 – 285 Vac (L-N)	
Input voltage range derating	100 – 160 Vac (L-N, derating 50%~100%)	
Input connection	Terminal block, Hard Wire 5-wire: 3PH + N + G	
<b>Battery</b>		
Battery type	Leak proof Sealed Maintenance Free Valve Regulated Lead Acid Battery.	
Typical backup time at half load (min.)	14 min	9 min
Typical backup time at full load (min.)	4.75 min	3 min
Nominal DC voltage	$\pm$ 192Vdc	
User battery replaceable	Yes	
<b>Communication and management</b>		
Interface ports	Serial (RS232 with RJ45 connector), USB (Type B) and Smart-Slot (pre-installed with AP9641 includes ethernet port)	
Control panel	Multi-color LCD with 5 front panel buttons (320 x 240 pixel display)	
Emergency Power Off (EPO)	Yes, with NO/NC	
<b>Physical</b>		
Unit dimensions (W x H x D) (mm)	440mm x 306mm x 700mm	
Unit weight	142kg	142.5
<b>Environment</b>		
Noise level	58dB max. @25°C	
Operating Temperature	0 -50 °C (40°C~50°C, derating, 100%~75%)	
Humidity	0 - 95% (non-condensing)	
<b>Conformance</b>		
Regulatory approvals	CE/CB	
Warranty	3 years for electronics, 2 years for battery	

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