



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

Life Is 

APC[®]
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)

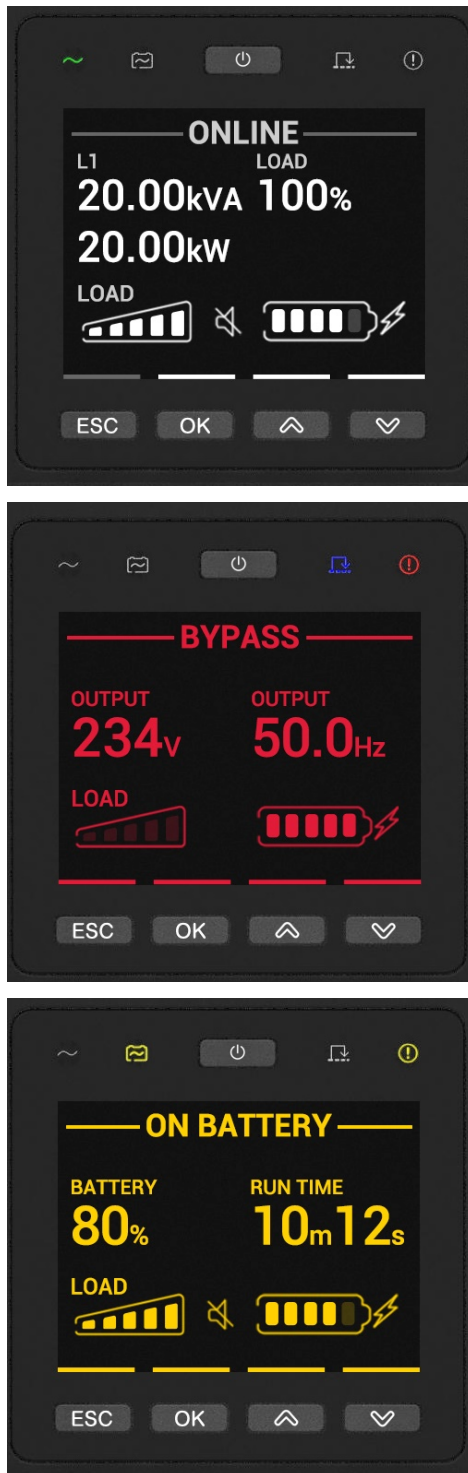
Remote UPS shutoff in the event of an emergency.

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

Remote service

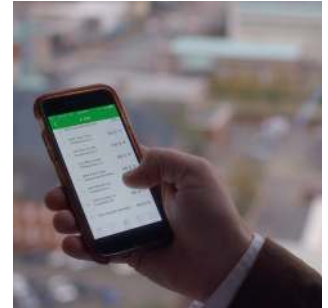
Increase your data center's uptime with intelligent 24x7 monitoring and remote troubleshooting service.

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.



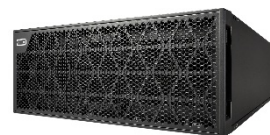
PowerChute Network Shutdown Features:

- 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	
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)	>94%			
Green mode efficiency at full load (typical)	98%			
Output connections	Hardwire output + (1) IEC C19, 1:1, 3:1 and 3:3			
Input				
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			
Battery				
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	± 192Vdc			
User battery replaceable	Yes			
Communication and management				
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			
Physical				
Unit dimensions (W x H x D) (mm)	440mm x 306mm x 700mm			
Unit weight	142kg		142.5	
Environment				
Noise level	58dB max. @25°C			
Operating Temperature	0 -50 °C (40°C~50°C, derating,100%~75%)			
Humidity	0 - 95% (non-condensing)			
Conformance				
Regulatory approvals	CE/CB			
Warranty	3 years for electronics, 2 years for battery			

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by **Schneider** Electric

One Boston Place
Floor 27
Boston, MA 02108
United States
www.apc.com

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