Smart-UPS On-Line 208 V

Unity output power factor single-phase double-conversion, online UPS with advanced management features

A versatile UPS developed for unstable power conditions worldwide

Smart-UPS™ On-Line provides high-density, double-conversion online power protection for servers, voice/data networks, medical labs, and light industrial applications. The Smart-UPS On-Line is capable of supporting loads from 5 kVA to 10 kVA in a rack/tower convertible chassis. The 6 kVA, 8 kVA, and 10 kVA models feature unity output power factor enabling them to support power-hungry blade servers or heavily loaded equipment racks. When business-critical systems require runtime in hours, not minutes, Smart-UPS On-Line can be configured with multiple battery packs to meet aggressive runtime demands.

The included PowerChute™ Network Shutdown management software provides unattended graceful shutdown of network operating systems. All models include an integrated network management card for remote management. The entire Smart-UPS On-Line family provides value to customers with demanding power conditions, including a very wide input voltage window, extremely tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

APC™
by Schneider Electric

Smart-UPS On-Line

Industry-leading power factor maximizing UPS density

Rackmount and Tower SRT 5 kVA – 10 kVA

[SRT5KXLT shown]

Standard Features

Best-in-class Power Density
More real power in watts, 0.85 pf on 5 kVA, Unity on 6 kVA – 10 kVA units.

High-Efficiency "Green Mode"
Achieves 98% efficiency, which saves utility and cooling costs without compromising performance or reliability.
Energy STAR compliant.

Graphical LCD Display With Multicolor Backlight
Intuitive interface provides detailed and accurate information with ability to configure locally.

Intelligent Battery Management
Temperature-compensated charging extends life and advanced algorithms recommend replacement date. The UPS can inform the user which batteries need to be replaced and auto detect when additional battery packs are added.

Built-in Energy Meter
Measures energy use and displays UPS efficiency in various modes of operation for easy energy tracking.

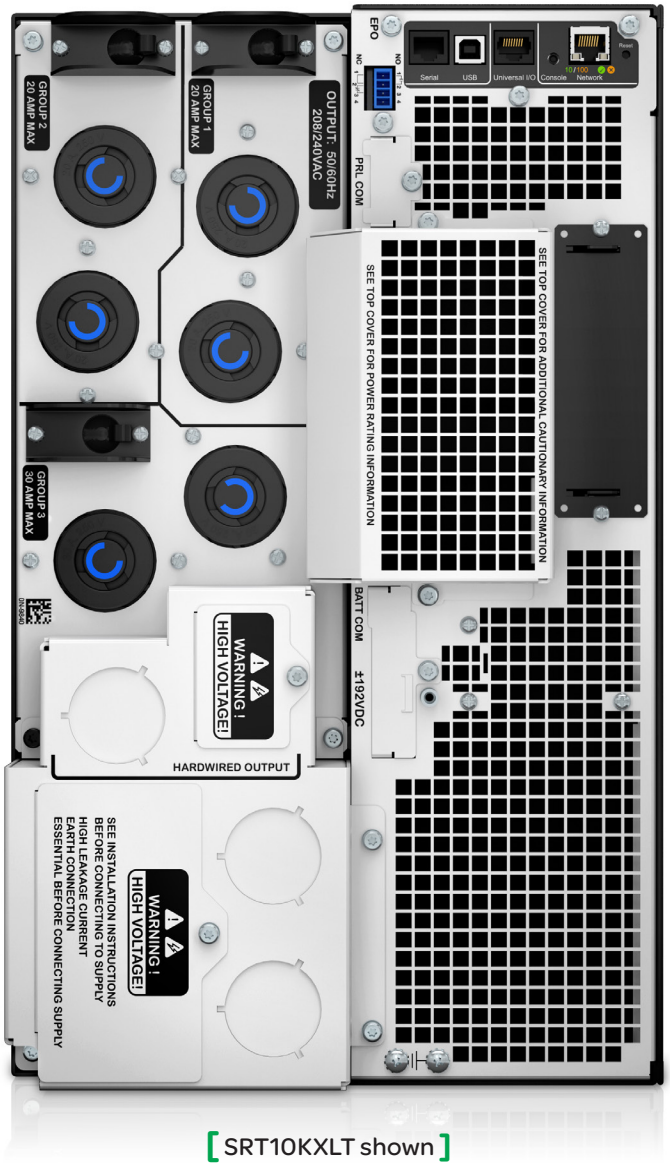
Operate Without Battery
Ability to immediately protect equipment when power returns after a complete discharge of the battery.

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

Smart-UPS On-Line

Proven performance with the world's largest installed base of single-phase, double-conversion products

Rackmount and Tower SRT 5 kVA – 10 kVA



[SRT10KXLT shown]

Additional Features

Embedded Network Management Card With Environmental Monitoring

Remote monitoring and control of the UPS and the environment via Ethernet connection while freeing up the SmartSlot™ so customers can add accessories for additional communication options.

Switched Outlet Group(s)

Ability to control a group of output load receptacles independent from the main UPS. Enables:

- Rebooting hung device without cycling the entire UPS.
- Sequenced turn on/off.
- Shedding of noncritical loads based on a variety of parameters (battery time, runtime remaining, and overload).
- Scheduled time off to conserve energy.

Emergency Power Off (EPO)

Remote UPS shutoff in the event of a fire or other emergency. The UPS can accept normally open (NO) or normally closed (NC) contacts.

Communication Ports

Serial, USB, Ethernet, and SmartSlot for network accessory cards.

Communication Protocols

Modbus Serial, USB PowerSummary, HTTP, SNMP, and Telnet.

Smart-UPS On-Line Display

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

Backlight screens:

Amber: Indication of condition that requires attention

Red: Indication of UPS alarm that requires immediate 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
- Alarm volume
- 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

Management Cards

AP9630: UPS Network Management Card with PowerChute Network Shutdown

AP9631: UPS Network Management Card with PowerChute Network Shutdown & Environmental Monitoring

AP9335TH: APC™ by Schneider Electric™ Temperature & Humidity Sensor

AP9810: APC Dry Contact I/O Accessory

AP9624: UPS Interface Expander

Battery Packs

SRT192BP: APC Smart-UPS SRT 192 V 5 kVA and 6 kVA Battery Pack

SRT192RMBP: APC Smart-UPS SRT 192 V 5 kVA and 6 kVA RM Battery Pack

SRT192BP2: APC Smart-UPS SRT 192 V 8 kVA and 10 kVA Battery Pack

SRT192RMBP2: APC Smart-UPS SRT 192 V 8 kVA and 10 kVA RM Battery Pack

SRT002: APC Smart-UPS SRT 15ft. Extension Cable for 192 VDC External Battery Packs 5/6 kVA UPS

SRT003: APC Smart-UPS SRT 15ft. Extension Cable for 192 VDC External Battery Packs 8/10 kVA UPS

Rail Kits

SRTRK2: APC Smart-UPS SRT 19 inch Rail Kit for Smart-UPS SRT 5/6/8/10 kVA

SRTRK3: APC Smart-UPS SRT 2 post Mounting Rail Kit for Smart-UPS SRT 5/6/8/10 kVA

Backplate Kit

SRT001: APC Smart-UPS SRT 5 kVA Output HW Kit

SRT004: APC Smart-UPS SRT 5 kVA PDU, 208 V (4) L6-20

SRT005: APC Smart-UPS SRT 6 kVA PDU, 208 V (4) L6-20, (1) L6-30

SRT008: APC Smart-UPS SRT 8/10 kVA PDU, 208 V (6) L6-30

Service Bypass Panels

SBP5KRMT2U: APC Service Bypass Panel — 200/208/240 V; 30 A; BBM; L6-30P input; (2) L6-30R (2) L6-20R output

SBP6KRMT2U: APC Service Bypass Panel — 200/208/240 V; 50 A; MBB; L6-30P/HW input; (1) L6-30R (2) L6-20R output

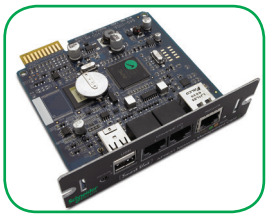
SBP10KRMT4U: APC Service Bypass Panel — 200/208/240 V; 100 A; MBB; Hardwire input; (3) L6-30R (3) L6-20R output

Other

SURT013: SURT Equipment Cart

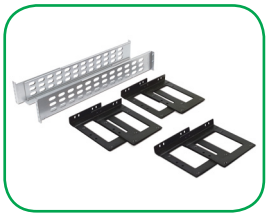
Replacement Battery Cartridge

APCRBC140



Network Management Card

Battery Pack



Rail Kits

Runtime Estimates at Half and Full Load (Minutes)

UPS Half/Full Loads	SRT5KRMXLW-HW 2,250 W/4,500 W	SRT5KXLT (RM) SRT5KXLT-IEC (RM) 2,125 W/4,250 W	SRT6KXLT (RM) SRT6KXLT-IEC (RM) 3,000 W/6,000 W	SRT8KXLT (RM) SRT8KXLT-IEC (RM) 4,000 W/8,000 W	SRT10KXLT (RM) SRT10KXLT-IEC (RM) 5,000 W/10,000 W
Internal	11.8/4	12.6/4.4	8.3/2.3	14.4/5.2	11.4/3.7
(1) Battery pack	46.2/20.5	49/21.8	34.7/14.9	34.2/14.6	27.9/11.5
(2) Battery packs	83/38	87.8/40.4	62.9/28.3	55/24.4	45.1/19.7
(3) Battery packs	121/56.4	128.1/59.7	92.1/42.2	76.4/34.6	62.8/28.1
(4) Battery packs	160.4/75.1	169.5/79.5	122.1/56.5	98.3/45	81/36.7

Smart-UPS On-Line SRT 5 kVA – 10 kVA
Technical Specifications

PRODUCT FEATURE	SRT5KRMXLW-HW	SRT5KXLT SRT5KRMXLT	SRT5KXLT-IEC SRT5KRMXLT-IEC	SRT6KXLT SRT6KRMXLT	SRT6KXLT-IEC SRT6KRMXLT-IEC
Output					
Power rating	5,000 VA/4,500 W	5,000 VA/4,250 W		6,000 VA/6,000 W	
Nominal output voltage	230 V (208, 220, 230, 240 V user selectable)	208 V (240 V user selectable)			
Output frequency	50/60 Hz ± 3 Hz (auto sense) 50/60 Hz ± 0.1 Hz (user selectable)				
Topology	Double-conversion Online				
Online efficiency at full load (typical)	94% (ENERGY STAR)				
Green mode efficiency at full load (typical)	98%				
Output connections	HW	(2) L6-20R (2) L6-30R	(4) IEC 320 C13 (4) IEC 320 C19	(4) L6-20R (2) L6-30R, HW	(6) IEC 320 C13 (4) IEC 320 C19, HW
Input					
Nominal input voltage	230 V (208, 220, 230, 240 V User Selectable)	208 V (240 V User Selectable)			
Input voltage range full load (half load)	160 – 275 V (100 – 275 V)				
Input frequency	40 – 70 Hz auto-selecting				
Input connection	Hardwire 3-wire (L1+L2/N+G)	L6-30P		Hardwire 3-wire (L1+L2+G)	
Batteries and Runtime					
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof				
Typical backup time at 1/2 load (min.)	11.8 min.	12.6 min.		8.3 min.	
Typical backup time at full load (min.)	4 min.	4.4 min.		2.3 min.	
Replacement battery (quantity)	APCRBC140 (1)				
External battery pack (tower/rack mount)	SRT192BP/SRT192RMBP				
Communication and Management					
Interface ports	RJ-45 with Status LEDs (10/100 Base-T), Serial (RJ45), USB (Type B) and Smart-Slot				
Control panel	High Resolution Graphical LCD display				
Emergency power off (EPO)	Yes (NO/NC connections)				
Embedded network management with environmental monitoring	Yes				
Physical					
Rack height	3 U			4 U	
Maximum height (RM)	5.1” (130 mm)			6.85” (174 mm)	
Maximum width (RM)	17” (432 mm)			17” (432 mm)	
Maximum depth (RM)	28.32” (719 mm)			28.32” (719 mm)	
Net weight	123 lbs (55.8 kg)			135 lbs (61.25 kg)	
Conformance					
Regulatory	CE, VDE, UL-1778, FCC Part 15 Class A, cUL	UL-1778, FCC Part 15 Class A, cUL			
Warranty	3 years for electronics, 2 years for battery				

Smart-UPS On-Line SRT 5 kVA – 10 kVA
Technical Specifications

PRODUCT FEATURE	SRT8KXLT SRT8KRMXLT	SRT8KXLT-IEC SRT8KRMXLT-IEC	SRT10KXLT SRT10KRMXLT	SRT10KXLT-IEC SRT10KRMXLT-IEC
Output				
Power rating	8000 VA/8000 W		10000 VA/10000 W	
Nominal output voltage	208 V (240 V User Selectable)			
Output frequency	50/60 Hz ± 3 Hz (auto sense) 50/60 Hz ± 0.1 Hz (user selectable)			
Topology	Double-conversion Online			
Online efficiency at full load (typical)	94% (ENERGY STAR)			
Green mode efficiency at full load (typical)	98%			
Output connections	(4) L6-20R (2) L6-30R, HW	(6) IEC 320 C13 (4) IEC 320 C19, HW	(4) L6-20R (2) L6-30R, HW	(6) IEC 320 C13 (4) IEC 320 C19, HW
Input				
Nominal input voltage	208 V (240 V User Selectable)			
Input voltage range full load (half load)	160 – 275 V (100 – 275 V)			
Input frequency	40 – 70 Hz auto-selecting			
Input connection	Hardwire 3-wire (L1+L2+G)			
Batteries and Runtime				
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof			
Typical backup time at 1/2 load (min.)	14.4 min.		11.4 min.	
Typical backup time at full load (min.)	5.2 min.		3.7 min.	
Replacement battery (quantity)	APCRBC140 (2)			
External battery pack (tower/rack mount)	SRT192BP2/SRT192RMBP2			
Communication and Management				
Interface ports	RJ-45 with Status LEDs (10/100 Base-T), Serial (RJ45), USB (Type B) and Smart-Slot			
Control panel	High Resolution Graphical LCD display			
Emergency power off (EPO)	Yes (NO/NC connections)			
Embedded network management with environmental monitoring	Yes			
Physical				
Rack height	6U			
Maximum height (RM)	10.35” (263 mm)			
Maximum width (RM)	17” (432 mm)			
Maximum depth (RM)	28.15” (715 mm)			
Net weight	246 lbs (111.82 kg)			
Conformance				
Regulatory	UL-1778, FCC Part 15 Class A, CSA C22.2 No.107.3-05			
Warranty	3 years electronics, 2 years battery			

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