

Smart-UPS On-Line

Industry-leading power factor maximizing UPS density
Rackmount and Tower SRT 1 kVA – 10 kVA



SRT5KXLT shown

Standard features

Best-in-class power density

More real power in watts, 0.82 pf on the 2.2 kVA, 0.9 pf on the 1kVA, 1.5 kVA, and 3 kVA, 0.85 pf on 5 kVA, Unity on 6 kVA – 10 kVA units.

High-efficiency “Green Mode”

Achieves 97% efficiency, which helps save 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 battery 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 help 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 1 kVA – 10 kVA

Additional features

Embedded network management card with environmental monitoring (on the NC and 5 kVA – 10 kVA models)

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.



SRT10KXLT shown

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

- AP9640: UPS Network Management Card
- AP9641: UPS Network Management Card with Environmental Monitoring
- AP9643: UPS Network Management Card with Environmental Monitoring and Modbus Support
- AP9810: APC dry contact I/O accessory
- AP9624: UPS interface expander
- AP9613: dry contact I/O SmartSlot card

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
- SRT48BP: APC Smart-UPS SRT 48 V 1 kVA and 1.5 kVA battery pack
- SRT48RMBP: APC Smart-UPS SRT 48 V 1 kVA and 1.5 kVA RM battery pack
- SRT72BP: APC Smart-UPS SRT 72 V 2.2 kVA battery pack
- SRT72RMBP: APC Smart-UPS SRT 72 V 2.2 kVA RM battery pack
- SRT96BP: APC Smart-UPS SRT 96 V 3 kVA battery pack
- SRT96RMBP: APC Smart-UPS SRT 96 V 3 kVA RM battery pack
- SRT002: APC Smart-UPS SRT 15 ft. extension cable for 192 VDC external battery packs 5/6 kVA UPS
- SRT003: APC Smart-UPS SRT 15 ft. extension cable for 192 VDC external battery packs 8/10 kVA UPS

- SRT009: APC Smart-UPS SRT 15 ft. extension cable for 72 VDC external battery pack 2.2 kVA UPS
- SRT010: APC Smart-UPS SRT 15 ft. extension cable for 96 VDC external battery pack 3 kVA UPS
- SRT013: APC Smart-UPS SRT 15 ft. extension cable for 48 VDC external battery pack

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 2.2/3/5/8/10 kVA
- SRTRK4: APC Smart-UPS SRT 19 inch rail kit for Smart-UPS SRT 2.2/3 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
- SRT011: APC Smart-UPS SRT 3 kVA PDU, 208 V (3) L6-30
- SRT012: APC Smart-UPS SRT 2.2/3 kVA input/output HW kit

Service bypass panels

- SBP1500RM: APC service bypass panel — 120 V; 15 A; BBM; (8) 5-15R
- SBP2200RM: APC service bypass panel — 120 V; 20 A; BBM; (6) 5-15R (2) 5-20R

- SBP3000RM: APC service bypass panel — 120 V; 16 A; BBM; (4) 5-20R (1) L5-30R
- 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

Step-down transformers

- SRT5KTF: APC Smart-UPS SRT 3/5/6 kVA 3U tower isolation/step-down transformer
- SRT5KRMTF: APC Smart-UPS SRT 3/5/6 kVA 2U RM step-down transformer
- SRT10KRMTF: APC Smart-UPS SRT 10 kVA 4U RM step-down transformer

Other

- SURT013: SURT equipment cart

Replacement battery cartridge

- APCRBC140: RBC for SRT 5 kVA —10 kVA UPS
- APCRBC155: RBC for SRT 1-1.5 kVA
- APCRBC141: RBC for SRT 2.2 kVA UPS
- APCRBC152: RBC for SRT 3 kVA UPS

Runtime estimates at half and full load (minutes)

UPS Half/Full Loads	SRT1000XLA (RM) (RM-NC) 450 W/900 W	SRT1500XLA (RM) (RM-NC) 675 W/1350 W	SRT2200XLA (RM) (RM-NC) 900 W/1800 W	SRT3000XLA (RM) (RM-NC) 1350 W/2700 W	SRT3000XLT (RM) SRT3000XLW-IEC (RM) SRT3000RMXLT-NC 1350 W/2700 W	SRT5KRMXLW-HW 2250 W/4500 W	SRT5KXLT (RM) SRT5KXLT-IEC (RM) 2125 W/4250 W	SRT6KXLT (RM) SRT6KXLT-IEC (RM) 3000 W/6000 W	SRT8KXLT (RM) SRT8KXLT-IEC (RM) 4000 W/8000 W	SRT10KXLT (RM) SRT10KXLT-IEC (RM) 5000 W/10000 W
Internal	25.36/10.48	13.16/4.61	10.3/3.26	10.28/3.21	11.36/3.8	11.75/3.98	10.53/3.8	8.3/2.4	14.4/5.16	11.4/3.73
(1) Battery pack	88/40	50/22.58	41/18.1	37/16	44/19.9	46/20.46	42/19	34/14.86	37/15	27.83/11.5
(2) Battery packs	156/73	91/41	74/33	68/31	80/37	83/38	76/35	62/28.28	54/24.41	45/19.65
(3) Battery packs	226/106	132/61	109/50	99/45	117/54	121/56	112/52	92/42	76/34	62/28.05
(4) Battery packs	299/141	175/82	144/67	132/61	156/73	160/75	148/69	122/56	98/44	81/36

Smart-UPS On-Line SRT 8 kVA and 10 kVA 120/208 V with Transformers

Technical specifications

Product features	SRT8KXLT-5KTF	SRT8KRMXLT-5KTF	SRT10KRMXLT-10KTF	SRT10KXLT-5KTF2	SRT10KRMXLT-5KTF2
Output					
Power rating (UPS)	8,000 VA/8,000 W		10,000 VA/10,000 W		
Power rating (transformer)	5000 VA		10 kVA	5000 VA	
Nominal output voltage	208 V (240 V user selectable)				
Nominal output voltage (trans- former)	120 V, 208 V, 240 V	120V	120 V, 208 V, 240 V		120 V
Output frequency	50/60 Hz ± 3 Hz (auto sense)				
Output connections (UPS)	(4) L6-20R, (1) L6-30R (for transformer)		(4) L6-20R, (2) L6-30R	(4) L6-20R, (2) L6-30R, (1) Hardwire 3-wire (2P + E)	(4) L6-20R, (2) L6-30R, (1) Hardwire 3-wire (2P + E)
Output connections (transformer)	(8) 5-20R, (2) L6- 20R, (1) L6-30R, (1) L14-30R	(12) 5-20R	(2) L5-20R, (2) L14-30R, (2) Hardwire 3-wire (2P + E), (1) Hardwire 4-wire (2P + N + E)	(16) 5-20R, (4) L6-20R, (2) L6-30R, (2) L14-30R	(24) 5-20R
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				
Input connection	Hardwire 3-wire (L1+L2+G)				
Physical					
Rack height	Tower	8U	10U	Tower	10U
Maximum height	17" (432 mm)	13.85" (352 mm)	17.25" (438 mm)	17" (432 mm)	17.35" (441 mm)
Maximum width	15.45" (393 mm)	17" (432 mm)	17" (432 mm)	20.55" (523 mm)	17" (432 mm)
Maximum depth	28.15" (715 mm)	28.15" (715 mm)	29.5" (749 mm)	28.15" (715 mm)	28.15" (715 mm)
Net weight	371 lbs (168.4 kg)	341 lbs (154.76 kg)	466 lbs (211.58 kg)	496 lbs (225.22 kg)	436 lbs (197.94 kg)
Conformance					
Regulatory	UL-1778, FCC Part 15 Class A, CSA C22.2 No.107.3-05				
Warranty	3 years electronics, 2 years battery				