

# Smart-UPS On-Line 120/208 V

Provides online power protection  
for servers, voice/data networks,  
medical labs, and critical applications



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

Life Is On

**APC**  
by Schneider Electric





# 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 1 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. Models 5 kVA to 10 kVA include an integrated network management card for remote management. The entire Smart-UPS On-Line family helps to provide 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.

# 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 to 0.9 pf on the 1, 1.5, 2.2 and 3 kVA models. 0.85 pf on 5 kVA and 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 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 1 kVA – 10 kVA



SRT10KXLT shown

## Additional features

### Embedded network management card with environmental monitoring (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 an 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.

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
- 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

## 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
- AP9635: UPS Network Management Card 2 w/ Environmental Monitoring, out of Band Access and Modbus
- 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
- 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
- SRT48BP: APC Smart-UPS SRT 48 V 1/1.5 kVA battery pack
- SRT48RMBP: APC Smart-UPS SRT 48 V 1/1.5 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 1/1.5 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 1/1.5/2.2/3/5/6/8/10 kVA
- SRTRK4: APC Smart-UPS SRT 19 inch rail kit for Smart-UPS SRT 1/1.5/2.2/3 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

- 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 5 kVA tower isolation/step-down transformer
- SRT5KRMTF: APC Smart-UPS 5 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
- APCRBC142: RBC for SRT 2.2 kVA UPS
- APCRBC152: RBC for SRT 3 kVA UPS
- APCRBC155: RBC for SRT 1/1.5 kVA UPS

## Runtime estimates at half and full load (minutes)

| UPS<br>Half/Full<br>Loads | SRT1000XLA<br>(RM) (RM-NC)<br>(450 W/900 W) | SRT1500XLA<br>(RM) (RM-NC)<br>(675 W/1350 W) | SRT2200XLA (RM) (RM-NC)<br>(900 W/1,800 W) | SRT3000XLA<br>(RM) (RM-NC)<br>(1,350 W/2,700 W) | SRT3000XLT (RM)<br>SRT3000XLW-IEC (RM)<br>SRT3000RMLT-NC<br>(1,350 W/10,000 W) |
|---------------------------|---------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|
| Internal                  | 27.4/10                                     | 16/4.4                                       | 10.3/3.3                                   | 10.4/3.1                                        | 11.4/3.8                                                                       |
| (1) Battery pack          | 88/41                                       | 61/21                                        | 50.5/19.9                                  | 45.6/17.1                                       | 46.4/20.5                                                                      |
| (2) Battery packs         | 156/73                                      | 91/42                                        | 90.5/37.2                                  | 80.8/31.1                                       | 83.3/38.1                                                                      |

| UPS<br>Half/Full<br>Loads | SRT5KRMLW-HW<br>2,250 W/4,500 W | SRT5KXLT<br>(RM)<br>SRT5KXLT-IEC (RM)<br>2,125 W/4,250 W | SRT6KXLT (RM)<br>SRT6KXLT-IEC (RM)<br>3,000 W/6,000 W | SRT8KXLT (RM)<br>SRT8KXLT-IEC (RM)<br>4,000 W/8,000 W | SRT10KXLT (RM)<br>SRT10KXLT-IEC (RM)<br>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                                                |

# Smart-UPS On-Line SRT 1000 VA and SRT 1500 VA 120 V

## Technical specifications

| Product features                             | SRT1000XLA - SRT1000RMXLA<br>SRT1000RMXLA-NC (Pre-installed NMC, AP9631)         | SRT1500XLA - SRT1500RMXLA<br>SRT1500RMXLA-NC (Pre-installed NMC, AP9631) |
|----------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Output                                       |                                                                                  |                                                                          |
| Power rating                                 | 1000 VA/900 W                                                                    | 1500 VA/1350 W                                                           |
| Nominal output voltage                       | 120 V                                                                            |                                                                          |
| 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)     | 90% (ENERGY STAR)                                                                |                                                                          |
| Green mode efficiency at full load (typical) | 95%                                                                              |                                                                          |
| Output connections (switched groups)         | (6) 5-15                                                                         | (6) 5-15                                                                 |
| Input                                        |                                                                                  |                                                                          |
| Nominal input voltage                        | 120 V                                                                            |                                                                          |
| Input voltage range full load (half load)    | 108 V – 150 VAC ±5V (50 – 150 VAC)                                               | 80 V – 150 VAC ±5V (50 – 150 VAC)                                        |
| Input frequency                              | 40 – 70 Hz auto-selecting                                                        |                                                                          |
| Input connection                             | 5-15P                                                                            |                                                                          |
| Batteries and runtime                        |                                                                                  |                                                                          |
| Battery type                                 | Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof |                                                                          |
| Typical backup time at 1/2 load (min.)       | 27                                                                               | 15.3                                                                     |
| Typical backup time at full load (min.)      | 9.3                                                                              | 4.3                                                                      |
| Replacement battery (quantity)               | APCRBC155 (1)                                                                    |                                                                          |
| External battery pack (tower/rackmount)      | SRT48BP/SRT48RMBP                                                                |                                                                          |
| Communication and management                 |                                                                                  |                                                                          |
| Interface ports                              | Serial (RJ45), USB (Type A) and Smart-Slot                                       |                                                                          |
| Control panel                                | High resolution graphical LCD display                                            |                                                                          |
| Emergency power off (EPO)                    | Yes (NO/NC connections)                                                          |                                                                          |
| Physical                                     |                                                                                  |                                                                          |
| Rack height                                  | 3.35" (85 mm), 2U                                                                |                                                                          |
| Maximum width (RM)                           | 17" (432 mm)                                                                     |                                                                          |
| Maximum depth (RM)                           | 20" (505 mm)                                                                     |                                                                          |
| Net weight                                   | 48.5 lb (22 kg)                                                                  |                                                                          |
| Conformance                                  |                                                                                  |                                                                          |
| Regulatory Approvals                         | FCC Part 15 Class A, UL 1778-4, CSA C22.2 No.107.3-05                            |                                                                          |
| Warranty                                     | 3 years electronics, 2 years battery                                             |                                                                          |



# Smart-UPS On-Line SRT 2200 VA and SRT 3000 VA 120 V

## Technical specifications

| Product features                             | SRT2200XLA - SRT2200RMXLA<br>SRT2200RMXLA-NC (Pre-installed NMC, AP9631)         | SRT3000XLA - SRT3000RMXLA<br>SRT3000RMXLA-NC (Pre-installed NMC, AP9631) |
|----------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Output                                       |                                                                                  |                                                                          |
| Power rating                                 | 2200 VA/1800 W                                                                   | 3000 VA/2700 W                                                           |
| Nominal output voltage                       | 120 V                                                                            |                                                                          |
| 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)     | 91.5% (ENERGY STAR)                                                              |                                                                          |
| Green mode efficiency at full load (typical) | 97%                                                                              |                                                                          |
| Output connections (switched groups)         | (6) 5-20, (1) L5-20                                                              | (8) 5-20, (1) L5-30                                                      |
| Input                                        |                                                                                  |                                                                          |
| Nominal input voltage                        | 60 V                                                                             |                                                                          |
| Input voltage range full load (half load)    | 108 V – 150 VAC ±5V (60 – 150 VAC ±5V)                                           |                                                                          |
| Input frequency                              | 40 – 70 Hz auto-selecting                                                        |                                                                          |
| Input connection                             | 5-20P                                                                            | L5-30P                                                                   |
| Batteries and runtime                        |                                                                                  |                                                                          |
| Battery type                                 | Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof |                                                                          |
| Typical backup time at 1/2 load (min.)       | 10.3                                                                             | 10.3                                                                     |
| Typical backup time at full load (min.)      | 3.3                                                                              | 3.2                                                                      |
| Replacement battery (quantity)               | APCRBC141 (1)                                                                    | APCRBC152 (1)                                                            |
| External battery pack (tower/rackmount)      | SRT72BP/SRT72RMBP                                                                | SRT96BP/SRT96RMBP                                                        |
| Communication and management                 |                                                                                  |                                                                          |
| Interface ports                              | Serial (RJ45), USB (Type A) and Smart-Slot                                       |                                                                          |
| Control panel                                | High resolution graphical LCD display                                            |                                                                          |
| Emergency power off (EPO)                    | Yes (NO/NC connections)                                                          |                                                                          |
| Physical                                     |                                                                                  |                                                                          |
| Rack height                                  | 3.35" (85 mm), 2U                                                                | 3.35" (85 mm), 2U                                                        |
| Maximum width (RM)                           | 17" (432 mm)                                                                     | 17" (432 mm)                                                             |
| Maximum depth (RM)                           | 2" (559 mm)                                                                      | 25 " (636 mm)                                                            |
| Net weight                                   | 55 lb (24.95 kg)                                                                 | 69 lb (31.3 kg)                                                          |
| Conformance                                  |                                                                                  |                                                                          |
| Regulatory Approvals                         | FCC Part 15 Class A, UL 1778, CSA C22.2 No.107.3-05                              |                                                                          |
| Warranty                                     | 3 years electronics, 2 years battery                                             |                                                                          |

# Smart-UPS On-Line SRT 3000 VA 208 V

## Technical specifications

| Product features                             | SRT3000XLW-IEC<br>SRT3000RMXLW-IEC                                                       | SRT3000XLT - SRT3000RMXLT<br>SRT3000RMXLT-NC (Pre-installed NMC, AP9631) |
|----------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Output                                       |                                                                                          |                                                                          |
| Power rating                                 | 3000 VA/2700 W                                                                           |                                                                          |
| Nominal output voltage                       | 230 V (208 V, 220 V, 230 V, 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)     | 91% (ENERGY STAR)                                                                        |                                                                          |
| Green mode efficiency at full load (typical) | 97%                                                                                      |                                                                          |
| Output connections (switched groups)         | (4) IEC 320 C13 (2) IEC 320 C19                                                          | (2) L6-20 (1) L6-30                                                      |
| Input                                        |                                                                                          |                                                                          |
| Nominal input voltage                        | 230 V (208 V, 220 V, 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                             | IEC 60320 C20, Schuko CEE 7/EU1-16P, British BS1363A                                     | L6-20P                                                                   |
| 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                                                                                 | 11.4 min                                                                 |
| Typical backup time at full load (min.)      | 4.0 min                                                                                  | 3.8 min                                                                  |
| Replacement battery (quantity)               | APCRBC152 (1)                                                                            |                                                                          |
| External battery pack (tower/rackmount)      | SRT96BP/SRT96RMBP                                                                        |                                                                          |
| Communication and management                 |                                                                                          |                                                                          |
| Interface ports                              | Serial (RJ45), USB (Type A) and Smart-Slot                                               |                                                                          |
| Control panel                                | High resolution graphical LCD display                                                    |                                                                          |
| Emergency power off (EPO)                    | Yes (NO/NC connections)                                                                  |                                                                          |
| Physical                                     |                                                                                          |                                                                          |
| Rack height                                  | 3.35" (85 mm), 2U                                                                        |                                                                          |
| Maximum width (RM)                           | 17" (432 mm)                                                                             |                                                                          |
| Maximum depth (RM)                           | 25" (636 mm)                                                                             |                                                                          |
| Net weight                                   | 69 lb (31 kg)                                                                            |                                                                          |
| Conformance                                  |                                                                                          |                                                                          |
| Regulatory Approvals                         | CE, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2, UL-1778, FCC Part 15 Class A, CSA | UL-1778, FCC Part 15 Class A, CSA                                        |
| Warranty                                     | 3 years electronics, 2 years battery                                                     |                                                                          |

# Smart-UPS On-Line SRT 3000 VA 120/208 V

## Technical specifications

| Product features                             | SRT3000XLT-5KTF                                                                  | SRT3000RMXLT-5KTF    |
|----------------------------------------------|----------------------------------------------------------------------------------|----------------------|
| Output                                       |                                                                                  |                      |
| Power rating                                 | 3000 VA/2700 W                                                                   |                      |
| Nominal output voltage                       | 120 V and 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)     | 91% (ENERGY STAR)                                                                |                      |
| Green mode efficiency at full load (typical) | 97%                                                                              |                      |
| Output connections (switched groups)         | (8) 5-20, (4) L6-20, (1) L6-30, (1) L14-30                                       | (12) 5-20, (2) L6-20 |
| 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                             | L6-20P                                                                           |                      |
| Batteries and runtime                        |                                                                                  |                      |
| Battery type                                 | Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof |                      |
| Typical backup time at 1/2 load (min.)       | 11.4 min                                                                         |                      |
| Typical backup time at full load (min.)      | 3.8 min                                                                          |                      |
| Replacement battery (quantity)               | APCRBC152 (1)                                                                    |                      |
| External battery pack (tower/rackmount)      | SRT96BP/SRT96RMBP                                                                |                      |
| Communication and management                 |                                                                                  |                      |
| Interface ports                              | Serial (RJ45), USB (Type A) and Smart-Slot                                       |                      |
| Control panel                                | High resolution graphical LCD display                                            |                      |
| Emergency power off (EPO)                    | Yes (NO/NC connections)                                                          |                      |
| Physical                                     |                                                                                  |                      |
| Rack height                                  | Tower                                                                            | 6.7" (170 mm) 4U     |
| Maximum width (RM)                           | 8.45" (215 mm)                                                                   | 17" (432 mm)         |
| Maximum depth (RM)                           | 26" (660 mm)                                                                     | 25" (636 mm)         |
| Net weight                                   | 194 lb (87.82 kg)                                                                | 164 lb (74.18 kg)    |
| Conformance                                  |                                                                                  |                      |
| Regulatory Approvals                         | UL-1778, FCC Part 15 Class A, CSA                                                |                      |
| Warranty                                     | 3 years electronics, 2 years battery                                             |                      |

# Smart-UPS On-Line SRT 5 kVA and 6 kVA 208 V

## Technical specifications

| Product features                                                | SRT5KRMXLW-HW                                                                      | SRT5KXLT<br>SRT5KRMXLT                 | SRT5KXLT-IEC<br>SRT5KRMXLT-IEC     | SRT6KXLT<br>SRT6KRMXLT       | SRT6KXLT-IEC<br>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<br>(208, 220, 230, 240 V<br>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<br>at full load (typical)                     | 94% (ENERGY STAR)                                                                  |                                        |                                    |                              |                                        |
| Green mode efficiency<br>at full load (typical)                 | 98%                                                                                |                                        |                                    |                              |                                        |
| Output connections                                              | HW                                                                                 | (2) L6-20R<br>(2) L6-30R               | (4) IEC 320 C13<br>(4) IEC 320 C19 | (4) L6-20R<br>(2) L6-30R, HW | (6) IEC 320 C13<br>(4) IEC 320 C19, HW |
| Input                                                           |                                                                                    |                                        |                                    |                              |                                        |
| Nominal input voltage                                           | 230 V<br>(208, 220, 230, 240 V<br>user selectable)                                 | 208 V (240 V user selectable)          |                                    |                              |                                        |
| Input voltage range<br>full load (half load)                    | 160 – 275 V (100 – 275 V)                                                          |                                        |                                    |                              |                                        |
| Input frequency                                                 | 40 – 70 Hz auto-selecting                                                          |                                        |                                    |                              |                                        |
| Input connection                                                | Hardwire 3-wire<br>(L1+L2/N+G)                                                     | L6-30P                                 |                                    | Hardwire 3-wire<br>(L1+L2+G) |                                        |
| Batteries and runtime                                           |                                                                                    |                                        |                                    |                              |                                        |
| Battery type                                                    | Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof   |                                        |                                    |                              |                                        |
| Typical backup time<br>at 1/2 load (min.)                       | 11.8 min.                                                                          | 12.6 min.                              |                                    | 8.3 min.                     |                                        |
| Typical backup time<br>at full load (min.)                      | 4 min.                                                                             | 4.4 min.                               |                                    | 2.3 min.                     |                                        |
| Replacement battery<br>(quantity)                               | APCRBC140 (1)                                                                      |                                        |                                    |                              |                                        |
| External battery pack<br>(tower/rackmount)                      | SRT192BP/SRT192RMBP                                                                |                                        |                                    |                              |                                        |
| Communication and management                                    |                                                                                    |                                        |                                    |                              |                                        |
| Interface ports                                                 | RJ-45 with status LEDs (10/100 Base-T), serial (RJ45), USB (Type B), and SmartSlot |                                        |                                    |                              |                                        |
| Control panel                                                   | High-resolution graphical LCD display                                              |                                        |                                    |                              |                                        |
| Emergency power off (EPO)                                       | Yes (NO/NC connections)                                                            |                                        |                                    |                              |                                        |
| Embedded network<br>management with<br>environmental monitoring | Yes                                                                                |                                        |                                    |                              |                                        |
| Physical                                                        |                                                                                    |                                        |                                    |                              |                                        |
| Rack height                                                     | 3 U                                                                                |                                        |                                    | 4 U                          |                                        |
| Maximum height rackmount SKU                                    | 5.1" (130 mm)                                                                      |                                        |                                    | 6.85" (174 mm)               |                                        |
| Maximum width rackmount SKU                                     | 17" (432 mm)                                                                       |                                        |                                    | 17" (432 mm)                 |                                        |
| Maximum depth rackmount SKU                                     | 28.32" (719 mm)                                                                    |                                        |                                    | 28.32" (719 mm)              |                                        |
| Net weight                                                      | 123 lbs (55.8 kg)                                                                  |                                        |                                    | 135 lbs (61.25 kg)           |                                        |
| Conformance                                                     |                                                                                    |                                        |                                    |                              |                                        |
| Regulatory Approvals                                            | CE, VDE, UL-1778, FCC<br>Part 15 Class A, cUL                                      | UL-1778, FCC Part 15 Class A, cUL, NOM |                                    |                              |                                        |
| Warranty                                                        | 3 years for electronics, 2 years for battery                                       |                                        |                                    |                              |                                        |



# Smart-UPS On-Line SRT 5 kVA and 6 kVA 120/208 V

## Technical specifications

| Product features                                          | SRT5KXLT-5KTF                                                                      | SRT5RMKXLT-5KTF                 | SRT6KXLT-5KTF                                                             | SRT6RMKXLT-5KTF                                                |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------|
| Output                                                    |                                                                                    |                                 |                                                                           |                                                                |
| Power rating                                              | 5,000 VA/4,250 W                                                                   |                                 | 6,000 VA/6,000 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                                        | (8) 5-20, (4) L6-20, (2) L6-30, (1) L14-30                                         | (12) 5-20, (2) L6-20, (1) L6-30 | (8) 5-20, (4) L6-20, (3) L6-30, (1) L14-30, (1) Hardwire 3-wire (2PH + G) | (12) 5-20, (2) L6-20, (2) L6-30, (1) Hardwire 3-wire (2PH + G) |
| 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                                          | 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.)                    | 12.6 min.                                                                          |                                 | 8.3 min.                                                                  |                                                                |
| Typical backup time at full load (min.)                   | 4.4 min.                                                                           |                                 | 2.3 min.                                                                  |                                                                |
| Replacement battery (quantity)                            | APCRBC140 (1)                                                                      |                                 |                                                                           |                                                                |
| External battery pack (tower/rackmount)                   | SRT192BP/SRT192RMBP                                                                |                                 |                                                                           |                                                                |
| Communication and management                              |                                                                                    |                                 |                                                                           |                                                                |
| Interface ports                                           | RJ-45 with status LEDs (10/100 Base-T), serial (RJ45), USB (Type B), and SmartSlot |                                 |                                                                           |                                                                |
| 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                                               | Tower                                                                              | 5U                              | Tower                                                                     | 6U                                                             |
| Maximum height                                            | 17" (432 mm)                                                                       | 8.6" (219 mm)                   | 17" (432 mm)                                                              | 10.35" (263 mm)                                                |
| Maximum width                                             | 10.2" (260 mm)                                                                     | 17" (432 mm)                    | 11.95" (304 mm)                                                           | 17" (432 mm)                                                   |
| Maximum depth                                             | 28.32" (719.4 mm)                                                                  | 28.32" (719.4 mm)               | 28.32" (719.4 mm)                                                         | 28.32" (719.4 mm)                                              |
| Net weight                                                | 248 lbs (112.62 kg)                                                                | 218 lbs (98.98 kg)              | 260 lbs (118.07 kg)                                                       | 230 lbs (104.43 kg)                                            |
| Conformance                                               |                                                                                    |                                 |                                                                           |                                                                |
| Regulatory Approvals                                      | UL-1778, FCC Part 15 Class A, cUL                                                  |                                 |                                                                           |                                                                |
| Warranty                                                  | 3 years electronics, 2 years battery                                               |                                 |                                                                           |                                                                |

# Smart-UPS On-Line SRT 8 kVA and 10 kVA 208 V

## Technical specifications

| Product features                                          | SRT8KXLT<br>SRT8KRMXLT                                                             | SRT8KXLT30<br>SRT8KRMXLT30 | SRT8KXLT-IEC<br>SRT8KRMXLT-IEC         | SRT10KXLT<br>SRT10KRMXLT     | SRT10KXLT30<br>SRT10KRMXLT30 | SRT10KXLT-IEC<br>SRT10KRMXLT-IEC       |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------|----------------------------------------|------------------------------|------------------------------|----------------------------------------|
| Output                                                    |                                                                                    |                            |                                        |                              |                              |                                        |
| Power rating                                              | 8,000 VA/8,000 W                                                                   |                            |                                        | 10,000 VA/10,000 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)                                                                  |                            |                                        | 93% (ENERGY STAR)            |                              |                                        |
| Green mode efficiency at full load (typical)              | 98.5%                                                                              |                            |                                        | 99%                          |                              |                                        |
| Output connections                                        | (4) L6-20R<br>(2) L6-30R, HW                                                       | (6) L6-30R, HW             | (6) IEC 320 C13<br>(4) IEC 320 C19, HW | (4) L6-20R<br>(2) L6-30R, HW | (6) L6-30R, HW               | (6) IEC 320 C13<br>(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/rackmount)                   | SRT192BP2/SRT192RMBP2                                                              |                            |                                        |                              |                              |                                        |
| Communication and management                              |                                                                                    |                            |                                        |                              |                              |                                        |
| Interface ports                                           | RJ-45 with status LEDs (10/100 Base-T), serial (RJ45), USB (Type B), and SmartSlot |                            |                                        |                              |                              |                                        |
| 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 rackmount SKU                              | 10.35" (263 mm)                                                                    |                            |                                        |                              |                              |                                        |
| Maximum width rackmount SKU                               | 17" (432 mm)                                                                       |                            |                                        |                              |                              |                                        |
| Maximum depth rackmount SKU                               | 28.15" (715 mm)                                                                    |                            |                                        |                              |                              |                                        |
| Net weight                                                | 246 lbs (111.82 kg)                                                                |                            |                                        |                              |                              |                                        |
| Conformance                                               |                                                                                    |                            |                                        |                              |                              |                                        |
| Regulatory Approvals                                      | UL-1778, FCC Part 15 Class A, CSA C22.2 No.107.3-05, NOM                           |                            |                                        |                              |                              |                                        |
| Warranty                                                  | 3 years electronics, 2 years battery                                               |                            |                                        |                              |                              |                                        |

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

## Technical specifications

| Product features                                          | SRT8KXLT-5KTF                                                                      | SRT8KRMXLT-5KTF                                                | SRT10KRMXLT-10KTF                                                                                            | SRT10KXLT-5KTF2                                                            | SRT10KRMXLT-5KTF2                                   |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------|
| Output                                                    |                                                                                    |                                                                |                                                                                                              |                                                                            |                                                     |
| Power rating                                              | 8,000V A/8,000 W                                                                   |                                                                | 10,000 VA/10,000 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)                                                                  |                                                                | 93% (ENERGY STAR)                                                                                            |                                                                            |                                                     |
| Green mode efficiency at full load (typical)              | 98.5%                                                                              |                                                                | 99%                                                                                                          |                                                                            |                                                     |
| Output connections                                        | (8) 5-20, (6) L6-20, (2) L6-30, (1) L14 30, (1) Hardwire 3-wire (2PH + G)          | (12) 5-20, (4) L6-20, (1) L6-30, (1) Hardwire 3-wire (2PH + G) | (4) L6-20, (2) L6-30, (2) L5-20, (2) L14-30, (1) Hardwire 3-wire (2PH + G), (1) Hardwire 4-wire (2PH + N +G) | (16) 5-20, (4) L6-20, (6) L6-30, (2) L14-30, (1) Hardwire 3-wire (2PH + G) | (24) 5-20, (4) L6-30, (1) Hardwire 3-wire (2PH + G) |
| 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/rackmount)                   | SRT192BP2/SRT192RMBP2                                                              |                                                                |                                                                                                              |                                                                            |                                                     |
| Communication and management                              |                                                                                    |                                                                |                                                                                                              |                                                                            |                                                     |
| Interface ports                                           | RJ-45 with status LEDs (10/100 Base-T), serial (RJ45), USB (Type B), and SmartSlot |                                                                |                                                                                                              |                                                                            |                                                     |
| 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                                               | 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 Approvals                                      | UL-1778, FCC Part 15 Class A, CSA C22.2 No.107.3-05                                |                                                                |                                                                                                              |                                                                            |                                                     |
| Warranty                                                  | 3 years electronics, 2 years battery                                               |                                                                |                                                                                                              |                                                                            |                                                     |

Life Is On



**Schneider Electric**

132 Fairgrounds Road  
West Kingston, RI 02892  
Phone: 401-789-5735

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

May 2016

©2016 Schneider Electric. All Rights Reserved. Schneider Electric | Life Is On, APC, Smart-UPS, PowerChute, and Smart Slot are trademarks and the property of Schneider Electric SE, its subsidiaries, and affiliated companies. All other trademarks are the property of their respective owners.  
998-1257966\_GMA-US\_B

This document has been  
printed on recycled paper

