Smart-UPS
On-Line 230 V

Unity output power factor single-phase, double-conversion online UPS with advanced management features
APC Smart-UPS On-Line is designed with performance in mind for our business customers.

Smart-UPS On-Line is a performance line of UPSs developed to handle demanding power conditions, where uptime and efficiency is critical. Smart-UPS On-Line provides double-conversion online technology, advanced management features, and the reliability millions of IT professionals trust around the world. That’s Certainty in a Connected World.

Smart-UPS On-Line is the ideal power protection for server rooms, network closets, edge computing, distributed IT and colocation environments, and is suitable for verticals ranging from healthcare, retail, finance to manufacturing and even industrial automation.

The Smart-UPS On-Line is capable of supporting loads from 1 kVA – 10 kVA in flexible rack/tower convertible chassis. 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. Ideal for unstaffed locations where remote, off-site management is key, the included PowerChute™ Network Shutdown software provides unattended graceful shutdown of network operating systems. Models 5 kVA to 10kVA include an integrated network management card making them EcoStruxure™ IT ready.
Smart-UPS On-Line

Industry-leading power factor maximizing UPS density. Rackmount and tower SRT 2.2 kVA – 10 kVA

Standard features

Best-in-class power density
More real power in watts, 0.9 pf on 2.2 kVA–5 kVA, Unity on 6 kVA – 10 kVA units.

High-efficiency “green mode”
Achieves 98 percent efficiency, which saves utility and cooling costs without compromising performance or reliability.

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 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 to 10 kVA

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
Remote UPS shutdown 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.

1:1, 3:1 input hard-wire options
Product can be wired for 3-PH or 1-PH input (230 V, 8 kVA, and 10 kVA models only).

Dual input
Enables second input source to be connected to UPS bypass (230 V, 8 kVA, and 10 kVA models only).

Smart-UPS On-Line display

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

Standard features

LCD display screen
Accurately provides real-time status updates in your choice of basic or advanced menus.

UPS status (scrolling)
• Output voltage
• Input voltage
• Output frequency
• Runtime
• 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

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

Backlit screens:
Amber: Indication of condition that requires attention
Red: Indication of UPS alarm that requires immediate attention
Product accessories

Management cards
- AP9630: UPS network management card with PowerChute network shutdown
- AP9631: UPS network management card with PowerChute network shutdown and environmental monitoring
- AP9335TM: APC® by Schneider Electric temperature and humidity sensor
- 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 kW battery pack
- SRT192RMBP: APC Smart-UPS SRT 192 V 5 kVA and 6 kW RM battery pack
- SRT192BP2: APC Smart-UPS SRT 192 V 8 kW and 10 kW battery pack
- SRT192RMBP2: APC Smart-UPS SRT 192 V 8 kW and 10 kW RM battery pack
- SRT72BP: APC Smart-UPS SRT 72 V 2.2 kW battery pack
- SRT72RMBP: APC Smart-UPS SRT 72 V 2.2 kW RM battery pack
- SRT96BP: APC Smart-UPS SRT 96 V 3.3 kW battery pack
- SRT96RMBP: APC Smart-UPS SRT 96 V 3.3 kW RM battery pack
- SRT002: APC Smart-UPS SRT 5 M expansion battery pack for 192 VDC External Battery Packs 5/6 kVA UPS
- SRT003: APC Smart-UPS SRT 5 M expansion battery pack for 192 VDC External Battery Packs 8/10 kVA UPS
- SRT009: APC Smart-UPS SRT 5 M expansion battery pack for 72 VDC external battery pack 2.2 kVA UPS
- SRT010: APC Smart-UPS SRT 5 M expansion battery pack for 96 VDC external battery pack 3 kVA UPS

Rail kits
- SRT192BP: APC Smart-UPS SRT 192 V 5 kVA and 6 kW battery pack
- SRT192RMBP: APC Smart-UPS SRT 192 V 5 kVA and 6 kW RM battery pack
- SRT192BP2: APC Smart-UPS SRT 192 V 8 kW and 10 kW battery pack
- SRT192RMBP2: APC Smart-UPS SRT 192 V 8 kW and 10 kW RM battery pack
- SRT72BP: APC Smart-UPS SRT 72 V 2.2 kW battery pack
- SRT72RMBP: APC Smart-UPS SRT 72 V 2.2 kW RM battery pack
- SRT96BP: APC Smart-UPS SRT 96 V 3.3 kW battery pack
- SRT96RMBP: APC Smart-UPS SRT 96 V 3.3 kW RM battery pack
- SRT002: APC Smart-UPS SRT 5 M expansion battery pack for 192 VDC External Battery Packs 5/6 kVA UPS
- SRT003: APC Smart-UPS SRT 5 M expansion battery pack for 192 VDC External Battery Packs 8/10 kVA UPS
- SRT009: APC Smart-UPS SRT 5 M expansion battery pack for 72 VDC external battery pack 2.2 kVA UPS
- SRT010: APC Smart-UPS SRT 5 M expansion battery pack for 96 VDC external battery pack 3 kVA UPS

Runtime estimates at half and full load (minutes)

<table>
<thead>
<tr>
<th>UPS</th>
<th>half/full loads</th>
<th>SRT1000XLI</th>
<th>SRT1000RMXLI</th>
<th>SRT1500XLI</th>
<th>SRT1500RMXLI</th>
<th>SRT1500RMXLI-NC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal</td>
<td>11.6/3.9</td>
<td>11.6/3.9</td>
<td>11.6/3.9</td>
<td>11.6/3.9</td>
<td>11.6/3.9</td>
<td>11.6/3.9</td>
</tr>
<tr>
<td>I</td>
<td>45.7/20.2</td>
<td>46.4/20.5</td>
<td>46.2/20.5</td>
<td>36/15.5</td>
<td>34.5/14.7</td>
<td>28/11.6</td>
</tr>
<tr>
<td>II</td>
<td>82/37.6</td>
<td>83.3/38.1</td>
<td>83.3/38.1</td>
<td>55.2/24.9</td>
<td>55.2/24.9</td>
<td>28/11.6</td>
</tr>
<tr>
<td>III</td>
<td>118.9/56.6</td>
<td>121.6/56.6</td>
<td>121.5/56.6</td>
<td>90.5/43.8</td>
<td>70/34.8</td>
<td>63.1/28.2</td>
</tr>
<tr>
<td>IV</td>
<td>158/67.1</td>
<td>160/67.1</td>
<td>160/67.1</td>
<td>90/43.8</td>
<td>90/43.8</td>
<td>81.3/38.8</td>
</tr>
</tbody>
</table>

Smart-UPS On-Line SRT

1 & 1.5 kVA technical specifications

<table>
<thead>
<tr>
<th>UPS Model</th>
<th>SRT1000XLI</th>
<th>SRT1000RMXLI</th>
<th>SRT1500XLI</th>
<th>SRT1500RMXLI</th>
<th>SRT1500RMXLI-NC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Power Capacity</td>
<td>1000 VA / 1000 W</td>
<td>1000 VA / 1000 W</td>
<td>1000 VA / 1000 W</td>
<td>1000 VA / 1000 W</td>
</tr>
<tr>
<td>Output Frequency</td>
<td>50/60 Hz +/- 3 Hz (auto sense)</td>
<td>50/60 Hz +/- 3 Hz (auto sense)</td>
<td>50/60 Hz +/- 3 Hz (auto sense)</td>
<td>50/60 Hz +/- 3 Hz (auto sense)</td>
<td>50/60 Hz +/- 3 Hz (auto sense)</td>
</tr>
<tr>
<td>Efficiency (online)</td>
<td>91%</td>
<td>91%</td>
<td>91%</td>
<td>91%</td>
<td>91%</td>
</tr>
<tr>
<td>Efficiency in green mode</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>Topology and output waveform</td>
<td>Double conversion on/off</td>
<td>Double conversion on/off</td>
<td>Double conversion on/off</td>
<td>Double conversion on/off</td>
<td>Double conversion on/off</td>
</tr>
<tr>
<td>Output Connections</td>
<td>3 x IEC 309 (C13)</td>
<td>3 x IEC 309 (C13)</td>
<td>3 x IEC 309 (C13)</td>
<td>3 x IEC 309 (C13)</td>
<td>3 x IEC 309 (C13)</td>
</tr>
<tr>
<td>Switched outlet groups</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Input Voltage range at full load</td>
<td>95% load</td>
<td>95% load</td>
<td>95% load</td>
<td>95% load</td>
<td>95% load</td>
</tr>
<tr>
<td>Input Frequency</td>
<td>40 – 70 Hz (auto sensing)</td>
<td>40 – 70 Hz (auto sensing)</td>
<td>40 – 70 Hz (auto sensing)</td>
<td>40 – 70 Hz (auto sensing)</td>
<td>40 – 70 Hz (auto sensing)</td>
</tr>
<tr>
<td>Input Connection</td>
<td>IEC-60320 C14</td>
<td>IEC-60320 C14</td>
<td>IEC-60320 C14</td>
<td>IEC-60320 C14</td>
<td>IEC-60320 C14</td>
</tr>
</tbody>
</table>

Batteries
- Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof
- Replacement battery cartridge
- SRT1000XLI: SRT1000RMXLI (RM) | SRT1000RMXLI-NC (RM-NC)
- SRT1500XLI: SRT1500RMXLI (RM) | SRT1500RMXLI-NC (RM-NC)

Runtime Estimates as Half and Full Load (minutes)
- SRT1000XLI: 1000 VA / 1000 W
- SRT1000RMXLI: 1000 VA / 1000 W
- SRT1500XLI: 1500 VA / 1500 W
- SRT1500RMXLI: 1500 VA / 1500 W
- SRT1500RMXLI-NC: 1500 VA / 1500 W

Extended Run Battery Module
- APCRBC155

Weight (Excluding packaging)
- 22.0 kg
- 22.0 kg
- 22.0 kg
- 22.0 kg
- 22.0 kg
- 22.0 kg

Dimensions (mm)
- Rack height: 2U
- Maximum depth: 20.0 inches
- Maximum width: 17.0 inches
- Maximum height: 3.35 inches

Compliance
- CE, CE Mark, EN62040-1, EN62040-2, EAC, RCM, VDE
- Warranty: Three years repair or replace (excluding battery) and two years for battery
### Smart-UPS On-Line SRT

#### 2200 VA and SRT 3000 VA technical specifications

<table>
<thead>
<tr>
<th>Product feature</th>
<th>SRT2200XLI</th>
<th>SRT3000XLI</th>
<th>SRT3000XLI/EC SRT3000RMXLI/EC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power rating</td>
<td>2200 VA / 1980 W</td>
<td>3000 VA / 2700 W</td>
<td></td>
</tr>
<tr>
<td>Nominal output voltage</td>
<td>230 V (230 V, 240 V user selectable)</td>
<td>230 V (230 V, 240 V user selectable)</td>
<td></td>
</tr>
<tr>
<td>Output frequency</td>
<td>50/60 Hz ± 3 Hz (auto sense)</td>
<td>50/60 Hz ± 0.1 Hz (user selectable)</td>
<td></td>
</tr>
<tr>
<td><strong>Topology</strong></td>
<td>Double-conversion online</td>
<td>Double-conversion online</td>
<td></td>
</tr>
<tr>
<td><strong>Green mode efficiency at full load (typical)</strong></td>
<td>94%</td>
<td>97%</td>
<td></td>
</tr>
<tr>
<td><strong>Output connections (switched groups)</strong></td>
<td>(8) IEC 320 C13, (2) IEC 320 C19</td>
<td>(4) IEC 320 C13, (2) IEC 320 C19</td>
<td></td>
</tr>
</tbody>
</table>

#### 5 kVA – 10 kVA technical specifications

<table>
<thead>
<tr>
<th>Product feature</th>
<th>SRT5KRMXLW-HW</th>
<th>SRT5KXLI</th>
<th>SRT5KRMXLI</th>
<th>SRT6KXLI</th>
<th>SRT6KRMXLI</th>
<th>SRT8KXLI</th>
<th>SRT8KRMXLI</th>
<th>SRT10KXLI</th>
<th>SRT10KRMXLI</th>
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</thead>
<tbody>
<tr>
<td><strong>Output</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Power rating</td>
<td>5000 VA / 4500 W</td>
<td>6000 VA / 5400 W</td>
<td>8000 VA / 7200 W</td>
<td>10000 VA / 9000 W</td>
<td></td>
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<tr>
<td>Nominal output voltage</td>
<td>230 V (220 V, 240 V user selectable)</td>
<td>230 V (220 V, 240 V user selectable)</td>
<td>230 V (220 V, 240 V user selectable)</td>
<td>230 V (220 V, 240 V user selectable)</td>
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</tr>
<tr>
<td>Output frequency</td>
<td>50/60 Hz ± 3 Hz (auto sense)</td>
<td>50/60 Hz ± 0.1 Hz (user selectable)</td>
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<tr>
<td><strong>Topology</strong></td>
<td>Double-conversion online</td>
<td>Double-conversion online</td>
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<tr>
<td><strong>Input</strong></td>
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<tr>
<td>Input frequency</td>
<td>40 – 70 Hz auto-selecting</td>
<td>40 – 70 Hz auto-selecting</td>
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<tr>
<td><strong>Communication and management</strong></td>
<td>Embedded network management with environmental monitoring, which includes an RS-485 with status LEDs/100 BASE-T</td>
<td>Embedded network management with environmental monitoring, which includes an RS-485 with status LEDs/100 BASE-T</td>
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<tr>
<td><strong>Physical</strong></td>
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<tr>
<td>Rack height</td>
<td>85 mm, 2U</td>
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<tr>
<td>Maximum width (RM)</td>
<td>432 mm</td>
<td>432 mm</td>
<td>432 mm</td>
<td>432 mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Maximum depth (RM)</td>
<td>585 mm</td>
<td>636 mm</td>
<td>636 mm</td>
<td>636 mm</td>
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<td></td>
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<tr>
<td>Net weight</td>
<td>25 kg</td>
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<td><strong>Conformance</strong></td>
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<tr>
<td>Regulatory</td>
<td>CE, VDE, ROM, and EAC; IECEN 62040-1, IECEN 62040-2; UL-1778</td>
<td>CE, VDE, ROM, and EAC; IECEN 62040-1, IECEN 62040-2; UL-1778</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>Three years for electronics/two years for battery</td>
<td>Three years for electronics/two years for battery</td>
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