Smart-UPS Lithium-ion short-depth UPS 230V

APC certainty with Total Cost of Ownership in mind

apc.com/lithium-ion

Life Is On

by Schneider Electric
The world’s most popular network and server UPS now with Lithium-ion batteries

APC™ award-winning Smart-UPS™ is the most popular UPS in the world for servers, storage and network power protection. Smart-UPS provides availability and manageability to your network allowing you to focus on business growth instead of business downtime. Trusted to protect critical data and equipment from power problems by supplying clean and reliable network-grade power.

Smart-UPS’s patented green mode provides high efficiency at low, medium and high load levels. This makes them ideal for multi-core or virtualized servers that have varying load consumption all while saving utility costs. Managed outlet groups allow segmented load control to power on or off your equipment in series, as well as load shedding to preserve battery power for critical connected equipment or reboot a hung device without impacting other equipment. Lithium-ion batteries provides 2X in battery life, better performance at higher temperatures and Total Cost of Ownership savings compared to valve-regulated lead-acid (VRLA) batteries. The short-depth UPS form factor allows for compatibility with wall mount racks.
Save up to 50% on Total Cost of Ownership when using Smart-UPS Lithium-ion short-depth UPS solutions

APC Smart-UPS with Lithium-ion technology enables IT professionals to lower Total Cost of Ownership (TCO) by minimizing UPS maintenance and offering remote UPS management across distributed environments.

Why should you consider Smart-UPS Lithium-ion short-depth?

- 2X Longer life expectancy than VRLA batteries
- Eliminate the cost of battery replacement, labor, shipping and recycling
- Save on TCO by up to 50%
- Better battery performance at ambient temperatures, up to 40°C
- Up to 65% lighter batteries for easier handling and installation
- Remote UPS management options
- Five-year factory warranty on the UPS and battery
- Battery management system and certifications provide higher level of performance
- Greater efficiency in charge and discharge of the batteries
Smart-UPS Lithium-ion features

Intelligent and efficient network power protection. Ideal for servers, point-of-sale, routers, switches, hubs and other network devices.

High-efficiency green mode
Achieves up to 96% efficiency which minimizes utility and cooling costs without compromising UPS performance or reliability.

Network-grade power
Provides stable power conditions by filtering noise, automatic voltage regulation (AVR) and surge protection.

LCD display
Intuitive interface provides detailed information with ability to configure locally.

Built-in energy meter
Measures energy use and displays UPS efficiency in operating modes for easy tracking.

Intelligent battery management system
Monitoring at the cell level to manage voltage helps Lithium-ion batteries provide a higher level of performance.

Operate without battery
Immediately protect equipment when power returns after a complete discharge of the battery.

Five-year warranty
Peace of mind with a five-year warranty on both electronics and internal batteries.
Smart-UPS features

Switched outlet group
Control a group of output load receptacles independent from the main UPS:

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

Lithium-ion batteries
Operates at higher temperatures without degradation of the performance of the battery. Up to one-third lighter and 2x longer life than VRLA batteries.

Flash upgradeable firmware
Allows for field updates of firmware via communication ports or Network Management Card (NMC).

Communication ports
Options of Serial, USB, Ethernet and SmartSlot™ for network accessory cards.

Communication protocols
Choose from Modbus serial, USB PowerSummary, HTTP, SNMP and Telnet.

Input circuit breaker
Re-settable protection.
APC Smart-UPS display

Intuitive, easy-to-use LCD interface

**LCD display screen**
Clear, consistent and detailed information in your choice of basic or advanced menus.

**Power status**
- Operating mode and efficiency mode
- Load VA/watts/amps
- Input/output voltage and frequency
- Battery capacity and runtime
- Energy meter

**Configuration**
- Language
- Power quality settings
- Alarm, delay and threshold settings

**Test and diagnostics**
Initiate battery and runtime calibration tests.

**Control**
UPS and outlet group settings.

**Logs**
See explanation of last 10 transfers and errors.

**LED indicators**
Quickly identify online, on battery, error and replace battery status.

**Intuitive interface**
Easy-to-use buttons to navigate and adjust settings.

**Load energy meter**
Track energy usage in kilowatt hours.
Smart-UPS SC Lithium-ion features

Power protection for entry-level servers, voice and data networks

SCL500RM11UC

![Image of Smart-UPS SC Lithium-ion unit]

SCL500RM11UC

*SCL500RM11UNC

Communication ports
Easy connection and initialization by Serial ports.
Use USB with Serial to USB adapter.
*APC SmartConnect port for easy-to-use remote monitoring feature that provides automatic notifications, firmware updates and advanced support services. Ideal for small business monitoring.

Site wiring error
Error wiring detection.

Rugged sheet metal
Construction rigidly holds and protects critical electrical components.

Audible alarms
Provides notification of changing utility power and UPS power conditions.

Input circuit breaker
Re-settable protection.

Two-stage network grade power conditioning
Circuitry filters power aberrations.

*Embedded network management card
Allows users to remote monitor and control the UPS via secure network browsers or external command line interfaces. Ideal for fleet management.

Lithium-ion batteries
Provides long-life battery power, ability to operate at higher temperatures without degradation of battery performance. Up to one-third lighter than VRLA batteries.

APC SmartConnect feature available on the “C” suffix model
*Embedded Network Management Card option available on the “NC” suffix model
Smart-UPS management solutions

PowerChute Business Edition
For graceful UPS shutdown

Built-in manageability for your UPS unit
PowerChute Business Edition software provides UPS management, system shutdown and innovative energy reporting capabilities. Energy usage, cost and CO2 reporting provides a greater understanding of the energy consumed by IT equipment enabling improved energy efficiency. Advanced analysis features help to identify the causes of potential power-related problems before they occur; ensuring the health of your protected equipment.

PowerChute Business Edition features:
- Graceful system shutdown
- Outlet aware shutdown
- Scheduled shutdowns
- Error notifications
- Secure SNMP v1 & v3 support
- SNMP for Windows & Linux
- Centralized management via SNMP
- Energy usage reporting
- Energy costing
- CO2 emissions monitoring
- Data and event logging

UPS network management card 3
For remote management and control

Connect to your network and enjoy direct control
APC UPS network management cards allow for secure connection and control of an individual APC UPS unit via web browser, command-line interface or SNMP. The configurable notification features keep you informed of problems as they occur. For protected servers, the included PowerChute network shutdown software provides graceful, unattended shutdown in the event of an extended power outage, keeping business information.

Network management card features:
- View the user interface with a browser for quick access from anywhere on a secure network.
- Enable remote device management of your UPS by connecting it directly to the network.
- Get real-time error event notifications to quickly respond to critical situations, reducing repair time and maximizing uptime.
- Eliminate the need to dispatch technicians to remote locations by rebooting equipment remotely.
Smart-UPS cloud-enabled management options

APC SmartConnect

Monitor your UPS online — any time, anywhere — with the APC SmartConnect web portal

The first cloud-enabled UPS for distributed IT
Automatically included in the select connectivity feature that makes the legendary devices even more adaptable and even easier to deploy. APC SmartConnect allows you to view the status of your UPS through a secure web portal. Through this innovative remote-monitoring interface, you will receive automatic notifications, firmware updates and advanced support.

Learn more at: apc.com/smartconnect

EcoStruxure IT

Connecting hybrid IT environments for advanced insights

Cloud-based vendor-neutral monitoring with EcoStruxure™ IT
EcoStruxure IT Expert monitors and protects your critical equipment, providing 24/7 visibility through live data, smart alarming and data-driven insights on the health of your connected assets directly to your smartphone.

When you upgrade to EcoStruxure™ Asset Advisor, remote troubleshooting is provided by the experts monitoring your connected assets 24x7.

Learn more at: schneider-electric.com/ecostruxure

APC SmartConnect features:
• No special software or gateway required
• Accessible from any internet connected device
• Compatible with major Remote Monitoring and Management RMM platforms
• Actionable alerts and lifecycle recommendations
• Enhanced troubleshooting and support
• Simple account login and registration

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

Analytics
Gain insight into how well your data center runs — receive recommendations and data-driven intelligence.

Mobile insights
Stay connected to your data center with live data and alarms on your smartphone app.
Smart-UPS accessories

Management card options

- **AP9640**: UPS network management card
- **AP9641**: UPS network management card with environmental monitoring
- **AP9635**: UPS network management card with environmental monitoring, out-of-band access and Modbus
- **AP9620**: Legacy communications SmartSlot™ card

Rail Kit options

- **AP9625**: APC Smart-UPS two-post rail kit

Service bypass panels

- **SBP1500RMI**: APC service bypass PDU, 230V; 10amp with (6) IEC C13
- **SBP3000RMI**: APC service bypass PDU, 230V; 16amp with (6) IEC C13 and (1) C19
- **SBP3000RMHW**: APC service bypass 100-240V, 16amp, Hardwire Input/Output
### Product family

#### SKU technical specifications

<table>
<thead>
<tr>
<th></th>
<th>SCL500RMI1UC, SCL500RMI1UNC</th>
<th>SMTL750RMI2UC</th>
<th>SMTL1000RMI2UC</th>
<th>SMTL1500RMI3UC</th>
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<tbody>
<tr>
<td><strong>Topology</strong></td>
<td>Line Interactive</td>
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<td></td>
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<tr>
<td><strong>Output</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Output power capacity</td>
<td>400 Watts / 500 VA</td>
<td>600 Watts / 750 VA</td>
<td>800 Watts / 1000 VA</td>
<td>1350 Watts / 1500 VA</td>
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<tr>
<td>Nominal output voltage</td>
<td>230V</td>
<td></td>
<td></td>
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<tr>
<td>Output voltage distortion</td>
<td>+/- 2% full (linear) load</td>
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<tr>
<td>Output frequency (sync to mains)</td>
<td>50/60Hz +/- 3Hz (auto sensing)</td>
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<tr>
<td>Waveform type</td>
<td>Sine Wave</td>
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<tr>
<td>Output connections</td>
<td>(4) IEC-320 C13</td>
<td>(6) IEC-320 C13</td>
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<tr>
<td>Switched outlet group</td>
<td>Yes/2</td>
<td>Yes/1</td>
<td></td>
<td></td>
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<tr>
<td>Efficiency at full load</td>
<td>97%</td>
<td>&gt;96%</td>
<td></td>
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<tr>
<td><strong>Input</strong></td>
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<tr>
<td>Nominal input voltage</td>
<td>230V</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Input frequency</td>
<td>50Hz/60Hz +/- 3Hz (auto sensing)</td>
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<tr>
<td>Input connections</td>
<td>IEC 320 C14</td>
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<tr>
<td>Input voltage range for main operations</td>
<td>207-253Vac</td>
<td>160V - 286V</td>
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<tr>
<td><strong>Batteries and runtime</strong></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Battery type</td>
<td>Lithium-ion</td>
<td></td>
<td></td>
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<tr>
<td>Runtime (Half Load/ Full Load)</td>
<td>6.3 min/ 2.7 min</td>
<td>14.7 min/ 6 min</td>
<td>19 min / 8 min</td>
<td>14 min/ 5.1 min</td>
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<tr>
<td><strong>Communications and management</strong></td>
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<tr>
<td>Interface port(s)</td>
<td>USB Type A, APC SmartConnect (RJ45)</td>
<td>Serial (RJ45), SmartSlot, USB Type A, APC SmartConnect (RJ45)</td>
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<td>Available SmartSlot™ interface quantity</td>
<td>0, *embedded Network Management Card in &quot;NC&quot; suffix model</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>Control panel</td>
<td>LED display</td>
<td>Multi-function LCD status and control console</td>
<td></td>
<td></td>
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<tr>
<td>Audible alarms</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Net HxD</td>
<td>44.44 x 431.8 x 232.14mm</td>
<td>86 x 438 x 318mm</td>
<td>86 x 438 x 318mm</td>
<td>130 x 438 x 302mm</td>
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<tr>
<td>Rack height</td>
<td>1U</td>
<td>2U</td>
<td>2U</td>
<td>3U</td>
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<tr>
<td>Net weight</td>
<td>4.1kg, *4.2kg</td>
<td>15.4kg</td>
<td>16.3kg</td>
<td>19.5kg</td>
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<td>Shipping weight</td>
<td>6.5kg, *6.5kg</td>
<td>17.69kg</td>
<td>18.56kg</td>
<td>22.5kg</td>
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<td>Shipping HxD</td>
<td>168 x 590 x 337mm</td>
<td>229 x 584 x 472mm</td>
<td>229 x 584 x 472mm</td>
<td>278 x 585 x 448mm</td>
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<tr>
<td>Color</td>
<td>Black [Silver front bezel]</td>
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<tr>
<td><strong>Environmental</strong></td>
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</tr>
<tr>
<td>Operating environment</td>
<td>10-40°C</td>
<td>0-40°C</td>
<td></td>
<td></td>
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<tr>
<td>Operating relative humidity</td>
<td>10-90%</td>
<td>0-95%, non-condensing</td>
<td></td>
<td></td>
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<tr>
<td>Operating elevation</td>
<td>0-2000m</td>
<td>0-3000 meters</td>
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<td></td>
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<tr>
<td>Storage temperature</td>
<td>-15-45°C</td>
<td>-15-45°C (short term storage)</td>
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<tr>
<td>Storage relative humidity</td>
<td>10-95%</td>
<td>0-95%, non-condensing</td>
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<tr>
<td>Storage elevation</td>
<td>0-15000 meters</td>
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<tr>
<td>Audible noise at 1 meter from surface of unit</td>
<td>45.0dBA</td>
<td></td>
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<tr>
<td><strong>Conformance</strong></td>
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<tr>
<td>Regulatory approvals</td>
<td>IEC 62040-1, IEC62040-2, IEC60950-1, CE, RCM, EAC, GS</td>
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<tr>
<td>Standard warranty</td>
<td>5-Year UPS and batteries</td>
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