Smart-UPS Lithium-ion
Short-depth UPS 120V

APC Certainty with Total Cost of Ownership in mind
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’ patented green mode provides extremely 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 now allow for double the battery life, higher battery performance at higher temperatures and a decrease in total cost of ownership.
Total Cost of Ownership decreases up to 50% when using Smart-UPS Li-ion UPS solutions.

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

- Greater life expectancy - Increase battery lifecycle 2X
- Greater cost savings - Reduce expenses over the lifetime of the UPS compared to UPSs with lead acid batteries
  - Eliminate cost of replacing batteries every 3-5 years
  - Eliminate the labor cost of changing the batteries
  - Eliminate associated costs of shipping and recycling old batteries
  - Increased lifecycle asset management
- Greater temperature tolerance - Excellent battery performance at higher ambient temperatures up to 104°F/40°C
- Greater voltage management of the battery discharge cycle
- Greater efficiency in both charge and discharge of the batteries
- Easy installation and handling with lighter internal batteries
- Management options for remote UPS management
Smart-UPS Li-ion Features

High-efficiency Green Mode
Achieves up to 97% percent efficiency, which minimizes utility and cooling costs without compromising performance or reliability.

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

Alphanumeric LCD Display
Intuitive interface provides detailed and accurate information with ability to configure locally.

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

Intelligent Battery Management System
Li-ion batteries are monitored at an individual cell level to manage voltage and temperatures of the set of cells. This helps the Li-ion batteries to provide a higher level of safety.

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

Five-year Warranty
Peace of mind with a 5-year warranty on both electronics and internal batteries.
Smart-UPS Features

SMTL750RM2UC

SMTL1500RM3UC

Switched Outlet Group
Ability to control a group of output load receptacles independent from the main UPS.
Enables:
• 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
• Rebooting hung device without cycling the entire UPS

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

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

Communication Protocols
Modbus serial, USB
PowerSummary, HTTP, SNMP, and Telnet.

Lithium-ion Batteries
Provides long life battery power, ability to operate at higher temperatures without degradation of the performance of the battery. Up to 1/3rd lighter than VRLA batteries.

Input Circuit Breaker
Re-settable protection
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
- Load VA/Watts/Amps
- Input/Output voltage and frequency
- Battery capacity and runtime
- Energy meter and more

**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 faults

**Quick Status Indicators:**
Online, on battery, fault, and replace battery LEDs for quick status identification

**Escape, Return and Navigation Buttons**
Intuitive navigation to confirm, exit or adjust settings

**Load Energy Meter**
Track energy usage in kilo watt hours
**Smart-UPS SC Li-ion Features**

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

**SCL500RM1UC**

- **Rack/Floor Convertible**
  Provides flexibility to change from a rack to floor installation

- **Communication Ports**
  Serial for easy connection and initialization
  USB supported via a Serial to USB adaptor
  *APC SmartConnect port for innovative and easy to use remote monitoring feature that provides automatic notifications, firmware updates and advances support services. Ideal for small business monitoring*

- **Site Wiring Fault**
  Faulty wiring detection

- **Rugged Sheet Metal**
  Construction rigidly holds and protects critical electrical components

- **Automatic Voltage Regulation**
  Heavy-duty transformer(s) provides extended ranges AVR boost and trim capabilities without battery operation.

- **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 the performance of the battery. Up to 1/3rd 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, safe 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
- Fault notifications
- Risk-assessment reporting
- Scheduled shutdowns
- Energy-usage reporting
- Centralized monitoring
- Recommended actions
- Battery status
- Outlet-aware shutdown
- Event and data logging
- Power-event summary
- Voltage analysis

UPS Network Management Cards
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, always keeping business information safe.

Network management card features:
- Browser accessible: View the user interface with a browser for quick access from anywhere, on a secure network
- Remote device management: Enable management of your UPS by connecting it directly to the network
- Fault notification: Get real-time event notifications, minimizing response time to critical physical infrastructure situations – reducing meantime to repair, improving efficiency, and maximizing uptime
- Reboot equipment remotely: Eliminates the need to dispatch technicians to remote locations

Life Is On by Schneider Electric
Smart-UPS Cloud-enabled Management Options

APC SmartConnect
Monitor your UPS online-anytime-anywhere-with the APC SmartConnect web portal

The first cloud-enabled UPS for distributed IT

Automatically included in 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.

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

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 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

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

Analytics
Gain insight into how well your data center runs - receive recommendations & data-driven intelligence

Mobile Insights
Stay connected to your data center with live data & alarms on your smartphone app

Learn more at: schneider-electric.com/ecostruxure
Smart-UPS Accessories

Management card options

• **AP9630**: UPS Network Management Card

• **AP9631**: 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

• **SBP1500RM**: APC service bypass PDU, 120V; 15 amp with (8) NEMA 5-15R

Power Distribution Units

• **AP9562**: APC Rack PDU, Basic, 1U, 15A, 120V, (10) NEMA 5-15R

• **AP9567**: APC Rack PDU, Basic, Zero U, 15A, 120V, (14) NEMA 5-15R
## Product Family

**SKU technical specifications**

<table>
<thead>
<tr>
<th>SKU technical specifications</th>
<th>SCL500RM1UC</th>
<th>SMTL750RM2UC</th>
<th>SMTL1500RM3UC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topology</strong></td>
<td>Line Interactive</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Power Capacity</td>
<td>400 Watts / 500 VA</td>
<td>600 Watts / 750 VA</td>
<td>1350 Watts / 1500 VA</td>
</tr>
<tr>
<td>Nominal Output Voltage</td>
<td>120V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Voltage Distortion</td>
<td>Less than 5% at full load</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Frequency</td>
<td>50/60 Hz +/- 3 Hz (auto sensing)</td>
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<td></td>
</tr>
<tr>
<td>Waveform Type</td>
<td>Sine Wave</td>
<td>Pure Sine Wave</td>
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</tr>
<tr>
<td>Output Connections</td>
<td>(4) NEMA 5-15R</td>
<td></td>
<td>(6) NEMA 5-15R</td>
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<tr>
<td>Switched outlet Group</td>
<td>Yes/One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency at Full Load</td>
<td>&gt;96%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal Input Voltage</td>
<td>120V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Frequency</td>
<td>50/60 Hz +/- 3 Hz (auto sensing)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Connections</td>
<td>NEMA 5-15P</td>
<td></td>
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</tr>
<tr>
<td>Input voltage range for main</td>
<td>92 - 139Vac</td>
<td></td>
<td>82 – 144Vac</td>
</tr>
<tr>
<td><strong>Batteries &amp; Runtime</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery Type</td>
<td>Lithium-Ion (LiFePo4)</td>
<td></td>
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<tr>
<td>Runtime</td>
<td>Please refer to <a href="http://www.apc.com">www.apc.com</a> for runtime charts</td>
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<tr>
<td><strong>Communications &amp; Management</strong></td>
<td>USB Type A, APC SmartConnect (RJ45) - only on the &quot;C&quot; suffix model</td>
<td>Serial (RJ45), Smart-Slot, USB, APC SmartConnect (RJ45)</td>
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<tr>
<td>Interface Port(s)</td>
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<tr>
<td>Available SmartSlot™ Interface</td>
<td>0, *embedded Network Management Card in &quot;NC&quot; suffix model</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Quantity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control panel</td>
<td>LED Display</td>
<td>Multi-function LCD status and control console</td>
<td></td>
</tr>
<tr>
<td>Audible Alarms</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net HxWxD</td>
<td>1.75&quot; x 17&quot; x 9.14&quot;</td>
<td>3.39&quot; x 17.25&quot; x 12.5&quot;</td>
<td>5.14&quot; x 17.25&quot; x 12&quot;</td>
</tr>
<tr>
<td>Rack Height</td>
<td>1U</td>
<td>2U</td>
<td>3U</td>
</tr>
<tr>
<td>Net Weight</td>
<td>8.2 lbs, *9.3 lbs</td>
<td>34 lbs</td>
<td>43 lbs</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td></td>
<td></td>
<td>50lbs</td>
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<tr>
<td>Shipping HxWxD</td>
<td>13.2 lbs, *14.3 lbs</td>
<td>39 lbs</td>
<td>11&quot; x 17.64&quot; x 23&quot;</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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<td></td>
<td></td>
</tr>
<tr>
<td>Operating Environment</td>
<td>32 - 104 °F (0 - 40 °C)</td>
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<td></td>
</tr>
<tr>
<td>Operating Relative Humidity</td>
<td>0 - 95%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Elevation</td>
<td>0-10000 feet (0-3000 meters)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-15 to 45 °C (-30 to 70°C without batteries)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Relative Humidity</td>
<td>0 - 95%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Elevation</td>
<td>0-50000 feet (0-15000 meters)</td>
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<td></td>
</tr>
<tr>
<td>Audible noise at 1 meter from</td>
<td>45.0dBA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>surface of unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Conformance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulatory Approvals</td>
<td>UL 1778, UL 1973, CSA, NOM</td>
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</tr>
<tr>
<td>Standard Warranty</td>
<td>5-Year UPS and Batteries</td>
<td></td>
<td></td>
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</tbody>
</table>