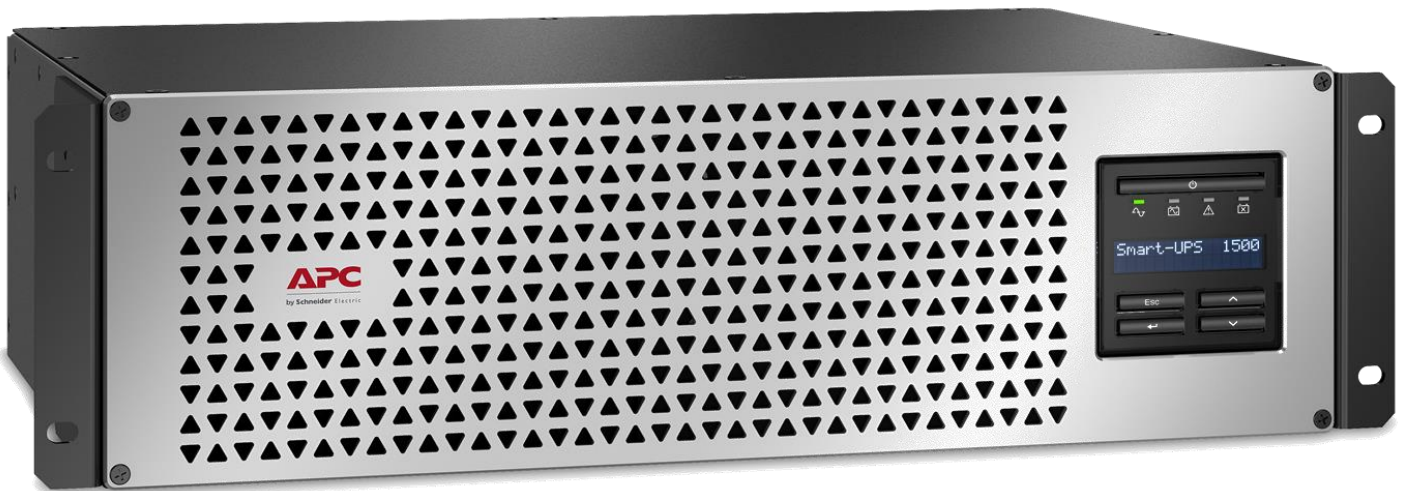




# Smart-UPS Lithium-ion Short-depth UPS 120V

**APC Certainty with Total Cost of Ownership in mind**



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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' patented green mode provides extremely high efficiency at low, medium and high load levels making 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.



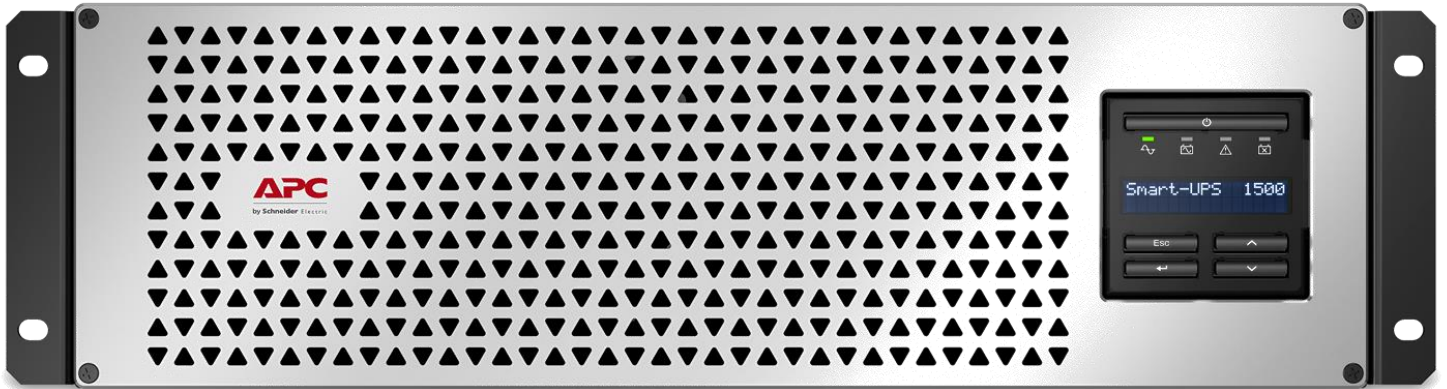
# Total Cost of Ownership decreases up to 47% when using Smart-UPS Li-ion UPS solutions.

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

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 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.

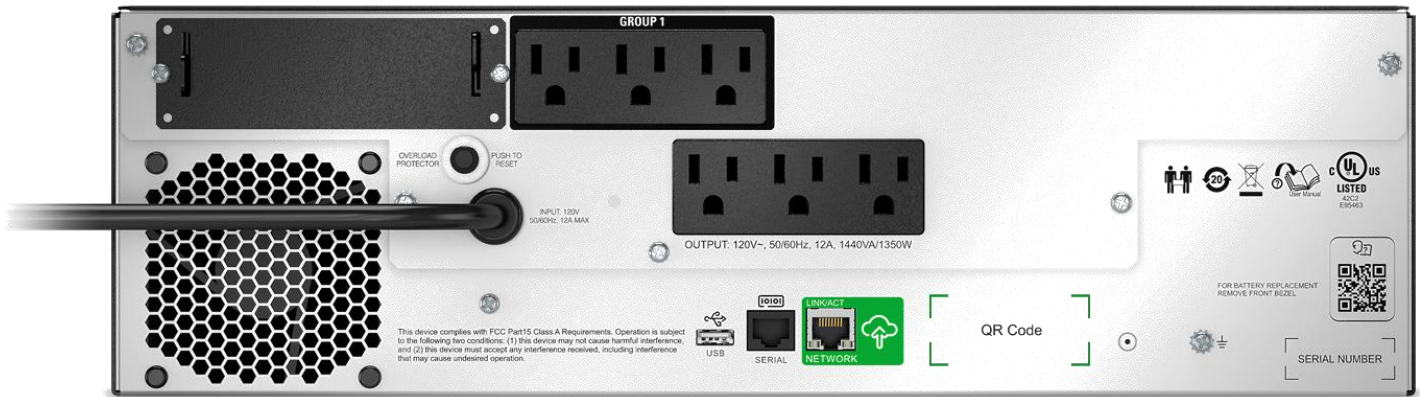
## Five-year warranty

Peace of mind with a 5-year warranty on both electronics and internal batteries.

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# Smart-UPS Features



## Switched outlet group(s)

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

## Input Circuit Breaker

Re-settable protection

## 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

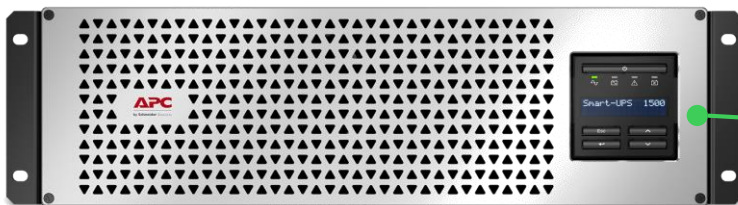
Modbus serial, USB PowerSummary, HTTP, SNMP, and Telnet.

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# 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
- 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

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# 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

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## PowerChute Network Shutdown For machine prioritization

Reliable, virtualized shutdown of multiple devices

PowerChute™ Network Shutdown 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 Network Shutdown features:

- Graceful network-based shutdown
- Sequenced server shutdown
- Integration with VMware and Microsoft Hyper-V
- Support for virtual clusters
- Virtual machine migration / shutdown
- IPv6 support
- Virtual machine prioritization
- Command file integration
- Redundant and parallel UPS support
- Event logging
- HTTPS communications
- Scalable architecture for host of client systems

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# Smart-UPS management solutions

## APC SmartConnect

The world's most popular UPS just got smarter

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

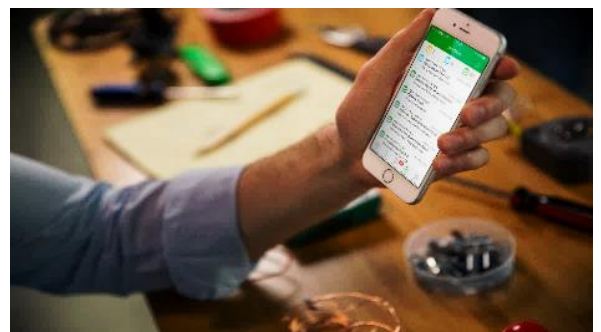
## EcoStruxure IT

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

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# 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.

### 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



AP9631

### Network management card features:

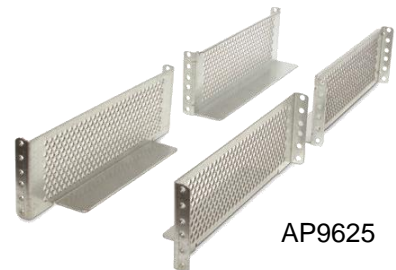
- **Browser accessible:** View the user interface with a browser for quick access from anywhere, on a secure network
- **Remote device management:** Enable management of your UPS by connecting it directly to the network
- **Fault notification:** Get real-time event notifications, minimizing response 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

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## Smart-UPS Accessories

### Rail Kit Option

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



AP9625

### Service bypass panels

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



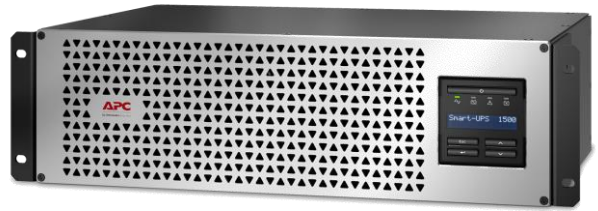
SBP1500RM

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# Product Family

## SKU technical specifications



	<b>SMTL1500RM3UC</b>
<b>Topology</b>	Line Interactive
<b>Output</b>	
Output Power Capacity	1350 Watts / 1500 VA
Nominal Output Voltage	120V
Output Voltage Distortion	Less than 2% at full load
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz (auto sensing)
Waveform Type	Sine wave
Output Connections	(6) NEMA 5-15R
Switched outlet Group	Yes/One
Efficiency at Full Load	>96%
<b>Input</b>	
Nominal Input Voltage	120V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	NEMA 5-15P
Input voltage range for main operations	82 – 144
<b>Batteries &amp; Runtime</b>	
Battery Type	Lithium-Ion (LiFePo4)
Runtime	Please refer to <a href="http://www.apc.com">www.apc.com</a> for runtime charts
<b>Communications &amp; Management</b>	
Interface Port(s)	Serial (RJ45), Smart-Slot, USB, APC SmartConnect (RJ45)
Available SmartSlot™ Interface Quantity	1
Control panel	Multi-function LCD status and control console
Audible Alarms	Yes
<b>Physical</b>	
Net HxWxD	5.14" x 17.25" x 12"
Rack Height	3U
Net Weight	43 lbs
Shipping Weight	50lbs
Shipping HxWxD	11" x 17.64" x 23"
Color	Black [Silver front bezel]
<b>Environmental</b>	
Operating Environment	32 - 104 °F (0 - 40 °C)
Operating Relative Humidity	0 - 95%
Operating Elevation	0-10000 feet (0-3000 meters)
Storage Temperature	-15 to 45 °C (-30 to 70°C without batteries)
Storage Relative Humidity	0 - 95%
Storage Elevation	0-50000 feet (0-15000 meters)
Audible noise at 1 meter from surface of unit	50.0dBA
<b>Conformance</b>	
Regulatory Approvals	UL 1778, UL 1973, CSA, NOM
Standard Warranty	5-Year UPS and Batteries