# Smart-UPS: legendary uninterruptible power

Intelligent, reliable protection for servers and networks





A legacy of reliability

Smart-UPS models

Smart-UPS management solutions

Smart-UPS accessories





# Maintain critical operations with certainty

#### Energy reliability has a name.

From home offices to business enterprises, Smart-UPS<sup>™</sup> units support the uninterruptible power needs of your IT and equipment. This time-tested benchmark from APC<sup>™</sup> by Schneider Electric<sup>™</sup> protects critical data and connections from power risks by supplying clean, reliable, network-grade power.



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# The Smart-UPS family

#### A variety of models for a variety of needs.

There is a Smart-UPS model for nearly every application and budget. Choose from a range of form factors to fit any client's needs. From entry level to scalable runtime, Smart-UPS solutions are ideal for servers, point-of-sale equipment, routers, switches, hubs, and more.







# Smart-UPS models





## SMC: entry-level UPS models



- Small business routers
- Entry-level servers
- Point-of-sale
   equipment





SMC1000C





SMC1000-2UC





### SMC: entry-level UPS models

#### **IDEAL FOR:**

- Small business
   routers
- Entry-level servers
- Point-of-sale
   equipment

#### SMC features:

- Network-grade power conditioning Filters noise, provides automatic voltage regulation (AVR), and includes surge protection
- Sine-wave output on battery Compatibility with a broad range of IT power supplies whether online or on battery
- LCD display Intuitive interface provides key status at a glance
- Battery disconnect
   Convenient way to disconnect battery for transport
   (tower models)
- PowerChute<sup>™</sup> Business Edition software UPS monitoring and control, safe operating system shutdown, and innovative energy management capabilities via USB (optional serial cable available)

- Intelligent battery management Extends battery life, optimizes performance, and maximizes reliability through precise temperature-compensated charging and automatic self tests
- High-efficiency green mode
   Optimal efficiency that saves utility and cooling costs
- Rack-mount hardware\*

Brackets provided to install in both 2- and 4-post racks — additional rails optional

\*Rack-mount models only



## SMC: entry-level UPS models

#### **IDEAL FOR:**

• Small business routers

 Entry-level servers

Point-of-sale
 equipment

	SMC1000C	SMC1500C	SMC1000C-2UC	SMC1500C-2UC	
OUTPUT					
Power capacity	600 W / 1,000 VA	900 W / 1,500 VA	600 W / 1,000 VA	900 W / 1,500 VA	
Output connections (NEMA®)	(8) 5	-15R	(6) 5	-15R	
INPUT					
Input voltage range for main operations (max adjustable range)	93 – 130 V (	(85 – 136 V)	93 – 130 V (85 – 136 V)		
Input connection	5-1	15P	5-1	5P	
RUNTIME ESTIMATES					
200 W	:26	:36	:26	:48	
300 W	:16	:23	:16	:31	
500 W	:08	:12	:08	:16	
700 W	_	:07	_	:10	
Full load	:06	:05	:06	:07	
COMMUNICATIONS AND MANAGEMEN	Т				
Interface ports	USB and s	erial (RJ45)	USB and se	erial (RJ45)	
APC SmartConnect feature	Yes (Et	hernet)	Yes (Et	hernet)	
Control panel and audible alarms		with LED status indicators: ctive "low battery" alarm	Etched glass LCD display with LED status indicators: alarm on battery, distinctive "low battery" alarm		
PHYSICAL					
Height (inches)	8.5	8.5	3.5	3.5	
Width (inches)	6.7	6.7	17	17	
Depth (inches)	17.3	17.3	16	18	
Weight (pounds)	38	45	45	62	



#### **IDEAL FOR:**

- Various types of tower servers (from entry-level to mid-range)
- Storage
- Point-of-sale equipment and network devices





SMT1000RM2UC



SMT1500C







#### **IDEAL FOR:**

- Various types of tower servers (from entry-level to mid-range)
- Storage
- Point-of-sale equipment and network devices

#### SMT features (in addition to entry-level SMC features):

- Configurable, multi-lingual LCD display Provides UPS status and key measures at a glance. Clear and accurate, menu-driven display for easy set-up and customization with or without software installation
- Extended-range automatic voltage regulation Provides enhanced brownout protection, boosting incoming voltage up to 30% without using battery power
- Switched outlet group

Controlled separately from the UPS for discrete reboot of hung devices, sequenced ON/OFF, and non-critical load shedding

- Advanced battery management
   Innovative, dynamic recommended battery
   replacement date indicator
- SmartSlot<sup>™</sup> interface<sup>:</sup>

Accepts a wide array of accessory cards for advanced management and environmental monitoring

 Rack-mount rails\* All hardware provided to securely install in your IT rack

\*Rack-mount models only



#### IDEAL FOR:

- Various types of tower servers (from entry-level to mid-range)
- Storage
- Point-of-sale equipment and network devices

	SMT750C	SMT1000C	SMT1500C	SMT2200	SMT3000
OUTPUT					
Power capacity	500 W/750VA	700 W / 1,000 VA	1,000 W / 1,500 VA	1,980 W / 2,200 VA	2,700 W / 3,000 VA
Output connections (NEMA)	(6) 5-15R	(8) 5	-15R	(8) 5-15R, (2) 5-20R	
Switched outlet groups	-			1	
INPUT					
Input voltage range for main operations (max adjustable range)		82 – 1	44 V (adjustable to 75 –	154 V)	
Input connection		5-15P		5-20P	L5-30P
RUNTIME ESTIMATES					
200 W	:22	:45	1:24	2:17	2:29
500 W	:05	:10	:23	:51	:55
700 W	-	:06	:12	:34	:37
1,000 W	-	-	:07	:21	:23
1,400 W	-	-	-	:13	:14
1,600 W	-	-	-	:10	:12
Full load	:05	:06	:07	:07	:06
COMMUNICATION AND MANAGEMENT					
Interface ports		Seria	II (RJ45), USB, and Sma	rtSlot	
APC SmartConnect feature			Yes (Ethernet)		
PHYSICAL					
Height (inches)	6.2	8.5	8.5	17	17
Width (inches)	5.4	6.7	6.7	7.7	7.7
Depth (inches)	14.1	17.3	17.3	21.5	21.5
Weight (pounds)	29	42	53	112	116

#### RACK-MOUNT MODELS



#### IDEAL FOR:

- Various types of tower servers (from entry-level to mid-range)
- Storage
- Point-of-sale equipment and network devices

	SMT750RM2UC	SMT1000RM2UC	SMT1500RM1U	SMT1500RM2UC	SMT2200RM2U	SMT3000RM2U
OUTPUT						
Power capacity	500 W / 750 VA	700 W / 1,000 VA	1,000 W / 1,500 VA	1,000 W / 1,500 VA	1,980 W / 2,200 VA	2,700 W / 3,000 VA
Output connections (NEMA)	(6) 5	5-15R	(4) 5-15R	(6) 5-15R	(6) 5-15R,	(2) 5-20R
Switched outlet groups				1		
INPUT						
Input voltage range for main operations (max adjustable range)			82 – 144 V (adju	stable to 75 – 154 V)		
Input connection		5	-15P		5-20P	L5-30P
RUNTIME ESTIMATES						
200 W	:24	1:10	:55	1:32	1:24	1:26
500 W	:05	:17	:17	:26	:35	:38
600 W	-	:12	:13	:19	:28	:31
700 W	-	:09	:10	:14	:24	:26
1,000 W	-	-	:05	:07	:15	:17
1,400 W	-	-	-	-	:09	:11
1,600 W	-	-	-	-	:07	:09
Full load	:06	:09	:05	:07	:05	:03
COMMUNICATION AND MANAGEME	NT					
Interface ports			Serial (RJ45), L	JSB, and SmartSlot		
APC SmartConnect feature	Yes (E	thernet)	No	Yes (Ethernet)		
PHYSICAL						
Height (inches)	3.5	3.5	1.75	3.5	3.5	3.5
Width (inches)	17	17	17	17	19	19
Depth (inches)	16	18	26	18	27	27
Weight (pounds)	38	62	53	63	93	97

#### TOWER MODELS

## RACK-MOUNT MODELS with network management cards



# SMT: Standard-level UPS models with network management cards

#### **IDEAL FOR:**

Enterprise
 applications

 Centralized network management

	SMT750RM2UNC	SMT1500RM2UNC	SMT2200RM2UNC	SMT3000RM2UNC				
OUTPUT								
Power capacity	500 W/750VA	1,000 W / 1,500 VA	1,980 W / 2,200 VA	2,700 W / 3,000 VA				
Output connections (NEMA)	(6) 5-15R	(6) 5-15R	(6) 5-15R,	(2) 5-20R				
Switched outlet groups								
INPUT								
Input voltage range for main operations (max adjustable range)		82 – 144 V (adjusta	able to 75 – 154 V)					
Input connection	5-1	5P	5-20P	L5-30P				
RUNTIME ESTIMATES								
200 W	:24	1:32	1:24	1:26				
500 W	:05	:26	:35	:38				
600 W	-	:19	:28	:31				
700 W	-	:14	:24	:26				
1,000 W	-	:07	:15	:17				
1,400 W	-	-	:09	;11				
1,600 W	-	-	:07	:09				
Full Load	:06	:07	:05	:03				
COMMUNICATION AND MANAGEMENT								
Interface ports	Serial (RJ45), USB, and SmartSlot NC versions are delivered with network management card AP9631 preinstalled							
PHYSICAL								
Height (inches)	3.5	3.5	3.5	3.5				
Width (inches)	17	17	19	19				
Depth (inches)	16	18	27	27				
Weight (pounds)	38	63	93	97				

#### RACK-MOUNT MODELS



## SMX: extended-run UPS models

#### **IDEAL FOR:**

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option



SMX1500RM2U

SMX1000



SMX750NC



SMX3000LVNC





### SMX: extended-run UPS models

#### IDEAL FOR:

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option

#### SMX features (in addition to entry-level SMC features):

• Slim 2U rack / tower and 4U short-depth convertible forms

Display rotates easily for use in or out of a rack

- High-frequency design Reduces size of (or eliminates) bulky transformers, making installation even easier
- Low-voltage models

 $(2-3\ \text{kVA})$  Configurable output from 100 V – 127 V on low-voltage models

 Models available with pre-installed network cards

Models with "NC" suffix have pre-installed AP9631 network cards with environmental monitoring

- Smart external battery connector
   Accepts external batteries and increases runtime
   automatically to increase availability
- Switched outlet groups

Enables you to reboot hung devices, shed non-critical loads to conserve runtime, and sequence start-up / turn off



## SMX: extended-run UPS models

#### **IDEAL FOR:**

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option

	SMX750	SMX1000	SMX1500RM2U	SMX2000RMLV2U	SMX2200RMLV2U	SMX3000RMLV2U
OUTPUT						
Power capacity	600 W/750 VA	800 W / 1,000 VA	1,200 W / 1,500 VA	1,800 W / 2,000 VA	1,980 W / 2,200 VA	2,700 W / 3,000 VA
Nominal output voltage		120 V		120 V	(user selectable 100 –	127 V)
Output connections (NEMA)		(8) 5-15R		(3) 5-15R (3) 5-20R (1) L5-20R	(6) 5-15R (2) 5-20R	(3) 5-15R (3) 5-20R (1)L5-30R
Switched outlet groups	1	2		:	3	
INPUT						
Input voltage range for main operations (max adjustable range)	82 – 14	44 V (adjustable to 7	′5 – 154 V)		70 – 153 V	
Input connection		5-15P		5-20P	L5-	-30P
BATTERIES AND RUNTIME						
External battery pack (XBP)		SMX48RMBP2U SMX120RMBP2U				
Typical backup time at varying load conditions and with external battery packs		Please refer to www.apc.com for runtime charts				
COMMUNICATION AND MANAGEI	MENT					
Interface ports			Serial (RJ45	), USB, and SmartSlot		
APC SmartConnect feature				No		
PHYSICAL						
Height (inches)	3.5					
Width (inches)		17				
Depth (inches)	19 26.3					
Weight (pounds)	49	50	55 85			

EXTENDED-RUN MODELS with network management cards



# SMX: extended-run UPS models with network management cards

#### IDEAL FOR:

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option

	SMX750NC	SMX1500RM2UNC	SMX2000RMLV2UNC	SMX3000RMLV2UNC		
OUTPUT						
Power capacity	600 W/750VA	1,200 W / 1,500 VA	1,800 W / 2,000 VA	2,700 W / 3,000 VA		
Nominal output voltage	12	0 V	120 V (user selectable 100 – 127 V)			
Output connections (NEMA)	(8) 5	(3) 5-15R 5-15R (3) 5-20R (1) L5-20R		(3) 5-15R (3) 5-20R (1) L5-30R		
Switched outlet groups	1		3			
INPUT						
Input voltage range for main operations (max adjustable range)	82–144 V (adjust	istable to 75 – 154 V) 70 – 153 V				
Input connection	5-1	15P	5-20P	L5-30P		
BATTERIES AND RUNTIME						
External battery pack (XBP)	SMX48F	SMX48RMBP2U SMX120RMBP2U				
Typical backup time at varying load conditions and with external battery packs		Please refer to www.apc.com for runtime charts				
COMMUNICATION AND MANAGEMENT						
Interface ports	Serial (RJ45), USB, and SmartSlot NC versions are delivered with network management card AP9631 preinstalled					
PHYSICAL						
Height (inches)	3.5					
Width (inches)	17					
Depth (inches)	1	9	26	5.3		
Weight (pounds)	49	55 85				

#### STANDARD EXTENDED-RUN MODELS





# SMX SHORT-DEPTH: extended-run UPS models

#### IDEAL FOR:

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option

SMX2000LV	SMX3000LV	SMX3000HVT		
1,800 W / 2,000 VA	2,700 W / 3,000 VA	2,700 W / 3,000 VA		
	208 V (configurable to 220, 230, or 240 V nominal)			
(6) 5-15R (3) 5-20R (1) L5-20R	(6) 5-15R (3) 5-20R (1) L5-20R	(2) L6-20R (4) IEC® 320 C13 (2) IEC 320 C19		
	3			
120 V (user selec	table 100 – 127 V)	208 V		
70 – 153 V				
5-20P	L5-30P	IEC 320 C20		
	SMX120BP			
Please	e refer to www.apc.com for runtime	charts		
NC versions are delive				
	No			
17				
7				
19				
	85			
	1,800 W / 2,000 VA 12 (user selectab (6) 5-15R (3) 5-20R (1) L5-20R 120 V (user selection 5-20P Please	1,800 W / 2,000 VA       2,700 W / 3,000 VA         120 V       (user selectable 100 – 127 V)         (6) 5-15R       (6) 5-15R         (3) 5-20R       (3) 5-20R         (1) L5-20R       (1) L5-20R         (1) L5-20R       (1) L5-20R         3       3         120 V (user selectable 100 – 127 V)       70 – 153 V         120 V (user selectable 100 – 127 V)       70 – 153 V         5-20P       L5-30P         SMX120BP       Please refer to www.apc.com for runtime         Serial (RJ45), USB, and SmartSlot       No         Nc versions are delivered with network management car       No         17       7       19		

EXTENDED-RUN MODELS with network management cards



## SHORT-DEPTH MODELS with network management cards

# SMX SHORT-DEPTH: extended-run UPS models with network management cards

#### IDEAL FOR:

- Convertible extended run models for critical servers and voice / data switches
- Expanded power needs via additional battery pack option

	SMX2000LVNC	SMX3000LVNC			
OUTPUT					
Power capacity	1,800 W / 2,000 VA	2,700 W / 3,000 VA			
Nominal output voltage	120 (user selectab				
Output connections (NEMA)	(6) 5-15R (6) 5-15R (3) 5-20R (3) 5-20R (1) L5-20R (1) L5-20R				
Switched outlet groups	3	3			
INPUT					
Nominal input voltage	120 V (user select	table 100 – 127 V)			
Input voltage range for main operations (max adjustable range)	70 – 153 V				
Input connection	5-20P	L5-30P			
BATTERIES AND RUNTIME					
External battery pack (XBP)	SMX1	20BP			
Typical backup time at varying load conditions and with external battery packs	Please refer to www.apc	c.com for runtime charts			
COMMUNICATION AND MANAGEMENT					
Interface ports	Serial (RJ45), US NC versions are delivered with network	B, and SmartSlot management card AP9631 preinstalled			
PHYSICAL					
Height (inches)	17				
Width (inches)	7				
Depth (inches)	1	9			
Weight (pounds)	85				

#### SHORT-DEPTH MODELS



# Smart-UPS management solutions





# PowerChute Business Edition, for graceful UPS shutdown

#### Built-in manageability for your UPS unit.

While you're connected through a serial or USB interface, PowerChute Business Edition software provides UPS management, safe system shutdown, and innovative energy reporting capabilities. Energy usage, cost, and CO<sub>2</sub> 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







# PowerChute Network Shutdown, for machine prioritization

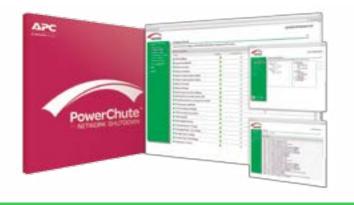
#### Reliable, virtualized shutdown of multiple servers.

PowerChute Network Shutdown works in conjunction with the APC UPS Network Management Card to protect your customers' physical and virtual IT environments from threats to IT availability. Network-based, graceful, unattended shutdown of physical servers and virtual machines protects data integrity and reduces system downtime when power risks occur. This solution is easily configurable via browser interface, and it supports single, redundant, and parallel UPS configurations.

#### 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

- Virtual machine prioritization
- Command file integration
- Redundant and parallel
   UPS support
- Event logging
- HTTPS communications
- IPv6 support
- Scalable architecture for a host of client systems



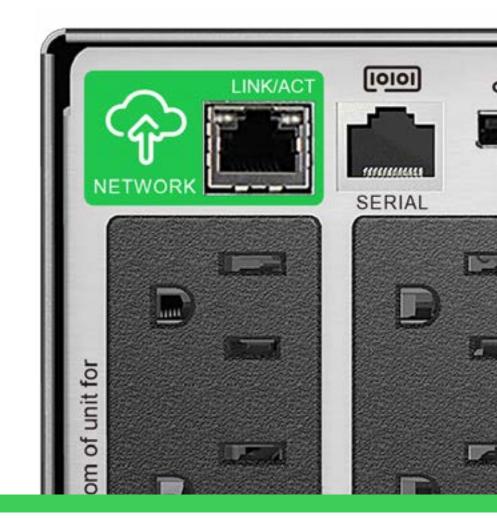




# The world's most popular UPS just got smarter

## APC SmartConnect is here: the first cloud-connected UPS, from APC.

Select Smart-UPS units boast an ingenious networking feature that makes the legendary devices even more adaptable and even easier to deploy: APC SmartConnect — a feature which allows you to view the status of your UPS through a secure web portal. Through this innovative remote management interface, you'll receive automatic notifications, firmware updates, and advanced support. APC SmartConnect's easy-to-use network connectivity provides added value — and more important — added peace of mind.

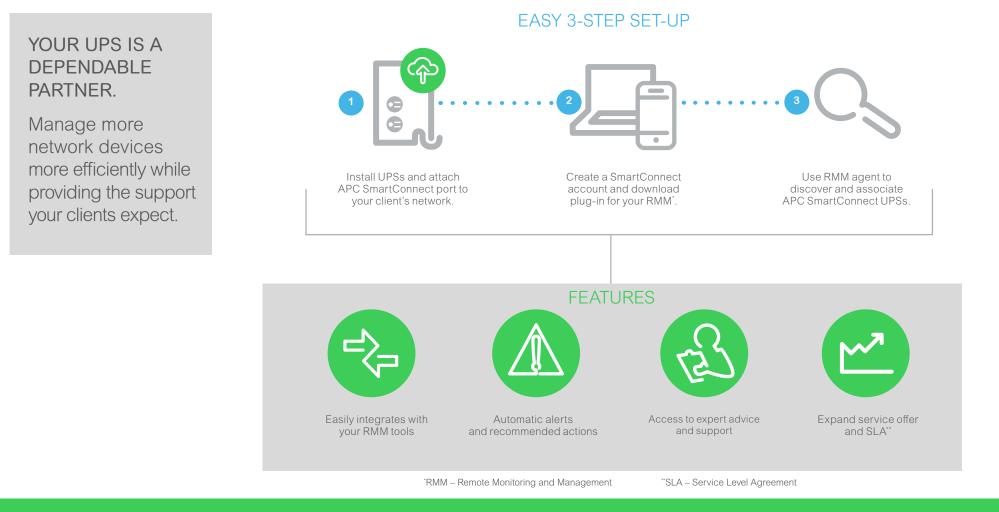


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## APC SmartConnect: your availability expert

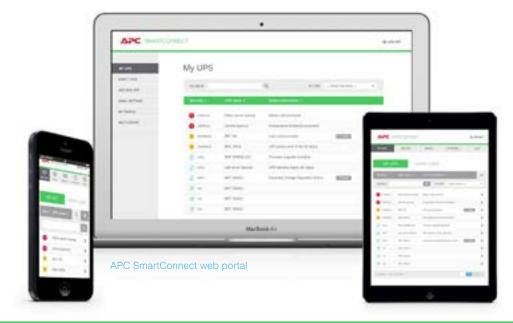






# APC SmartConnect: offers and interfaces





- Select Smart-UPS & Smart-UPS online models:
  - Embedded APC SmartConnect port
- APC SmartConnect web portal:
  - Access to UPSs from any connected device
  - Automatic, actionable notifications are centralized and easy to configure





# APC SmartConnect: benefits

#### With APC SmartConnect, you'll benefit from:

#### • Advice from the experts

APC SmartConnect will routinely provide proactive UPS life-cycle recommendations so you can provide expert advice to your customers, maintaining your place as the face of their IT management.

• Recurring revenue

APC SmartConnect allows you to expand your portfolio easily, growing your business through a manageable solution critical to any IT setup.

Seamless integration

Easily integrate with leading remote monitoring and management solutions, so you can manage customer portfolios from a single platform.

#### Automated for simplicity

APC SmartConnect monitors APC UPS devices automatically without coding, SNMP traps, or software agents. Without impediment, you'll quickly set up your new IT solution.

#### • Accessible

The APC SmartConnect web portal is accessible from any internet-connected device, so you can check your customers' IT equipment on site or on-the-go.

#### • Enabled as a standard

APC SmartConnect will be automatically included, free of charge, on select Smart-UPS models; making it the perfect solution for price-conscious professionals in need of power security.

• Another innovation from the industry leader The APC SmartConnect solution is the only UPS cloud offer on the market, delivered by the pioneers of uninterruptible power: APC by Schneider Electric, bringing you certainty in a connected world.





# APC SmartConnect: saving your resources

It's a time-saving, resource-saving innovation that makes our legendary Smart-UPS models more adaptable, and easier to deploy.

SECURE data encryption, user authentication, cybersecurity, and legal compliance							
\$ ECONOMICAL	SIMPLE SET-UP & USE	ACCESSIBLE & CONVENIENT	INTEGRATED	AUTOMATED	ADVANCED SUPPORT		
<ul> <li>Included on new models</li> <li>No special software required</li> <li>No gateway required</li> </ul>	<ul> <li>Plug-and-play</li> <li>Minimal data for registration</li> <li>Simple account log-in</li> <li>Multiple device registration methods</li> <li>Ability to un-pair</li> </ul>	<ul> <li>Easy-to-remember URL</li> <li>Access from any internet device</li> <li>Web portal with comprehensive UPS data</li> <li>Tailored content based on the devices you have</li> </ul>	<ul> <li>Compatible with major RMM platforms</li> <li>Comprehensive UPS data</li> <li>Integrated alarming</li> </ul>	<ul> <li>Clear notifications</li> <li>Actionable "active" notifications</li> <li>Informational "passive" notifications</li> </ul>	<ul> <li>Data in CRM — so we know who you are when you call</li> <li>Support access to data for troubleshooting</li> <li>Life-cycle offer identifications for simple ordering</li> </ul>		



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# UPS network management cards

Connect to your network and enjoy direct control.

APC UPS network management cards allow for secure connection and control of an individual APC UPS 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.



#### Features and benefits

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.





# Smart-UPS accessories





# Product services and accessories

## From additional power to smart management.

APC by Schneider Electric provides the highest quality services and solutions by trained and trusted professionals. Our world-class services offer a smart way to build, operate, and maintain your critical applications ... ensuring the right people are in the right place, at the right time.

#### Management cards

- AP9613: UPS network management card
- AP9624: UPS network management card with environmental monitoring
- AP9620: Legacy communications SmartSlot card

#### **Battery packs**

- SMX48RMBP2U: APC Smart-UPS 48 V
- External battery pack rack/tower
- SMX120RMBP2U: APC Smart-UPS 120 V
- External battery pack rack/tower

#### Additional accessories

- AP9625: APC Smart-UPS two-post rail kit
- SMX039-2: APC Smart-UPS 48 V
- Battery extension cable
- SMX040: APC Smart-UPS 120 V
- Battery extension cable

#### Service bypass panels

- SBP1500RM: APC service bypass PDU, 120 V; 15 AMP W / (8) NEMA 5-15R
- SBP3000RM: APC Service bypass PDU, 120 V; 30 AMP W / (4) NEMA 5-20R and (1) L5-30R
- SBP3000: APC Service bypass panel, 100 – 240 V; 30 A; BBM; hard-wire input / output
- SBP3000RMHW: APC service bypass panel, 100 – 240 V; 30 A; BBM; hard-wire input / output







## Smart-UPS: legendary uninterruptible power



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