

# Smart-UPS 120 V

Advanced line interactive power protection  
for servers and network equipment



## The world's most popular network and server UPS

The award-winning Smart-UPS™ unit from APC™ by Schneider Electric™ is the most popular UPS in the world for servers, storage, and networks. Trusted to protect critical data and equipment from power problems, the UPS supplies clean and reliable network-grade power. In addition to Legendary Reliability and manageability, Smart-UPS units have extremely high efficiency at low, medium, and high load levels, making them ideal for today's multi-core or virtualized servers that have varying load consumption. Available in a variety of form factors (tower, rack-mount, rack/tower convertible), there is a model for every application and budget.

Intelligent and efficient network power protection from entry level to scaleable runtime. Ideal for servers, point-of-sale, routers, switches, hubs, and other network devices.

- Reliable
- Intelligent
- Efficient
- Manageable

**APC**<sup>™</sup>  
by Schneider Electric

# Smart-UPS Tower and Rack-mount 750 – 3,000 VA

Application-optimized standard models, ideal for servers, storage, point-of-sale, and other network devices



[ SMT1500RM1U ]



[ SMT1500RM2U ]



[ SMT1500RM2U ]



[ SMT750 ]



[ SMT750 ]

## Standard Features

### High-efficiency Green Mode:

Optimum efficiency which saves utility and cooling costs

### Emergency Power Off (EPO):

Provides for remote UPS shut-off in the event of a fire or other emergency (2,200 VA and above)

### Alphanumeric LCD Display:

Intuitive interface provides detailed and accurate information with ability to configure locally

### Battery Disconnect:

Convenient way to disconnect battery for transport

### Network-grade Power:

Provides most stable power conditions by filtering noise, automatic voltage regulation (AVR), and surge protection

### Communication Ports:

Serial, USB, and SmartSlot™ for accessory cards

### Advanced Battery Management:

Temperature-compensated charging extends life and advanced algorithms recommend replacement date

# Smart-UPS Extended Run 750 – 3,000 VA

Convertible extended run models ideal for critical servers and voice/data switches



[SMX3000LV]



[SMX1500RM2U]



[SMX1500RM2UNC]



[SMX3000RMLV2U]

## Additional 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 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:

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

# Smart-UPS Display

Intuitive, easy-to-use LCD interface

## Standard Features

### 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

### Control:

UPS and outlet group settings

### Configuration:

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

### Test and Diagnostics:

Initiate battery and runtime calibration tests

### Logs:

See explanation of last 10 transfers and faults

### About:

UPS and replacement battery part numbers, serial numbers, battery install, and suggested replacement dates

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UPS and replacement battery part numbers, serial numbers, battery install, and suggested replacement dates

### Quick Status Indicators

Online, on battery, fault, and replace battery LEDs for quick status identification

### Escape:

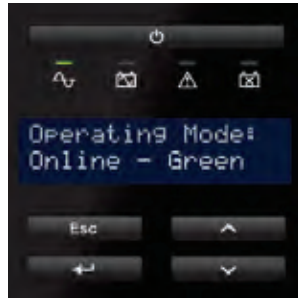
Exits to the previous menu or screen

### Return:

Used to enter or confirm settings

### Navigation Arrows:

Allow for quick adjustment of settings



## Product Services and Accessories

Schneider Electric Critical Power & Cooling Services (CPCS) 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, in the right place, at the right time.

### Management Cards

AP9630: UPS Network Management Card

AP9631: 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 48V Battery Extension Cable

SMX040: APC Smart-UPS 120V 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



AP9631



SBP3000RM

## Standard Tower models

Product feature	SMT750	SMT1000	SMT1500	SMT2200	SMT3000	
<b>Output</b>						
Power capacity	500 W/750 VA	700 W/1,000 VA	1,000 W/1,440 VA	1,980 W/2,200 VA	2,700 W/3,000 VA	
Nominal output voltage	120 V					
Output frequency	57 – 63 Hz					
Waveform type	Sine wave					
Output connections (NEMA)	(6) 5-15R	(8) 5-15R		(8) 5-15R (2) 5-20R		
Switched outlet groups	-	1				
<b>Input</b>						
Nominal input voltage	120 V					
Input voltage range for main operations (Max adjustable range)	82 – 144 V (75 – 154 V)					
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)					
Input connection	5-15P, 6 ft. cord			5-20P	L5-30P	
<b>Batteries and runtime</b>						
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof					
Replacement battery	RBC48	RBC6	RBC7	RBC55		
<b>Runtime estimates</b>						
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	
<b>Communication and management</b>						
Interface ports	Serial (RJ45), USB, and SmartSlot					
Control panel and audible alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays					
Emergency power off (EPO)	Optional			Yes		
<b>Surge protection and filtering</b>						
Surge energy rating	459 J	480 J				
Filtering meets	Full-time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449					
<b>Physical</b>						
Maximum height (inches)	6.2	8.5	8.5	17.0	17.0	
Maximum width (inches)	5.4	6.7	6.7	7.7	7.7	
Maximum depth (inches)	14.1	17.3	17.3	21.5	21.5	
Net weight (pounds)	29	42	53	112	116	
<b>Conformance</b>						
Regulatory	UL 1778, CSA					
Warranty and equipment protection policy	3-year electronics, 2-years battery, and \$150,000 lifetime EPP					

# Standard Rack-mount models

Product feature	SMT750RM2U	SMT1000RM2U	SMT1500RM1U	SMT1500RM2U	SMT2200RM2U	SMT3000RM2U
<b>Output</b>						
Power capacity	500 W/750 VA	700 W/1,000 VA	1,000 W/1,440 VA	1,000 W/1,440 VA	1,980 W/2,200 VA	2,700 W/3,000 VA
Nominal output voltage	120 V					
Output frequency	57 – 63 Hz					
Waveform type	Sine wave					
Output connections (NEMA)	(6) 5-15R	(6) 5-15R	(4) 5-15R	(6) 5-15R	(6) 5-15R (2) 5-20R	
Switched outlet groups	1					
<b>Input</b>						
Nominal input voltage	120 V					
Input voltage range for main operations (Max adjustable range)	82 – 144 V (75 – 154 V)					
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)					
Input connection (NEMA, 8 ft. cord)	5-15P				5-20P	L5-30P
<b>Batteries and runtime</b>						
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof					
Replacement battery	APCRBC123	APCRBC132	APCRBC88	APCRBC133	RBC43	
<b>Runtime estimates</b>						
200 W	:24	1:10	1:32	:27	1:24	1:26
500 W	:05	:17	:26	:12	:35	:38
600 W		:12	:19	:09	:28	:31
700 W		:09	:14	:07	:24	:26
1,000 W			:07	:04	:15	:17
1,400 W					:09	:11
1,600 W					:07	:09
Full load	:06	:09	:07	:04	:05	:03
<b>Communication and management</b>						
Interface ports	Serial (RJ45), USB, and SmartSlot					
Control panel and audible alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low-battery alarm and configurable delays					
Emergency power off (EPO)	Optional				Yes	
<b>Surge protection and filtering</b>						
Surge energy rating	459 J	540 J	459 J	480 J		
Filtering meets	Full-time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449					
<b>Physical</b>						
Maximum height (inches)	3.5	3.5	1.75 (1U)	3.5	3.5	3.5
Maximum width (inches)	17.0	17.0	17.0	17.0	19.0	19.0
Maximum depth (inches)	16.0	18.0	26.0	18.0	26.0	26.0
Net weight (pounds)	38.0	62.0	53	63.0	96.0	96.0
<b>Conformance</b>						
Regulatory	UL 1778, CSA					
Warranty and equipment protection policy	3-year electronics, 2-years battery, and \$150,000 lifetime EPP					

## Extended Run Rack/Tower Convertible 2U models

Product feature	SMX750	SMX1000	SMX1500RM2U*	SMX2000RMLV2U*	SMX2200RMLV2U	SMX3000RMLV2U*
<b>Output</b>						
Power capacity	600 W/750 VA	800 W/1,000 VA	1,200 W/1,440 VA	1,800 W/2,000 VA	1,980 W/2,200 VA	2,700 W/3,000 VA
Nominal output voltage	120 V			100/110/120/127 V		
Output frequency	57 – 63 Hz					
Waveform type	Sine wave					
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			
<b>Input</b>						
Nominal input voltage	120 V			100 – 127 V		
Input voltage range for main operations (Max adjustable range)	82 – 143 V (75 – 153 V)			70 – 153 V		
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)					
Input connection (NEMA)	5 - 15P 8 ft. cord			5-20P	L5-30P	
<b>Batteries and runtime</b>						
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof					
Replacement battery (UPS)	APCRBC116	APCRBC115		APCRBC117		
External Battery Pack	SMX48RMBP2U			SMX120RMBP2U		
Replacement battery (XBP)	APCRBC115			APCRBC118		
Typical back up time at other load conditions, and with external battery packs	Please refer to <a href="http://www.apc.com">www.apc.com</a> for runtime charts					
<b>Communication and management</b>						
Interface ports	Serial (RJ45), USB and Smartslot (Note: models denoted with asterisk * are also available in "NC" version with pre-installed AP9631 network management card.)					
Control panel and alarms	Alphanumeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm, and configurable delays					
Emergency power off (EPO)	Yes					
<b>Surge protection</b>						
Surge energy rating	540 J					
Filtering	Full-time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449					
<b>Physical</b>						
Maximum height (inches)	3.5 (2U)					
Maximum width (inches)	17					
Maximum depth (inches)	19			6		
Net weight (pounds)	49	50	55	85		
<b>Conformance</b>						
Regulatory	UL 1778, CSA					
Warranty and equipment protection policy	3-years electronics, 2-years battery, and \$150,000 lifetime EPP					

# Extended Run Rack/Tower Convertible 4U Short Depth models

Product feature	SMX2000LV*	SMX3000LV*	SMX3000HVT
<b>Output</b>			
Power capacity	1,800 W/2,000 VA	2,700 W/3,000 VA	2,700 W/3,000 VA
Nominal output voltage	120 V (user selectable 100 – 127 V)		
Output frequency	57 – 63 Hz		
Waveform type	Sine wave		
Output connections (NEMA)	(6) 5-15R (3) 5-20R (1) L5-20R	(6) 5-15R (3) 5-20R (1) L5-30R	(2) L6-20R (4) IEC 320 C13 (2) IEC 320 C19
Switched outlet groups	3		
<b>Input</b>			
Nominal input voltage	120 V (user selectable 100 – 127 V)		
Input voltage range for main operations (Max adjustable range)	70 – 153 V		
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)		
Input connection (NEMA)	5-20P, 8 ft. cord	L5-30P, 8 ft. cord	L6-20P, 8 ft. cord
<b>Batteries and runtime</b>			
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof		
Replacement battery (UPS)	APCRBC143		
External Battery Pack	SMX120BP		
Replacement battery (XBP)	APCRBC143		
Typical back up time at other load conditions, and with external battery packs	Please refer to <a href="http://www.apc.com">www.apc.com</a> for runtime charts		
<b>Communication and management</b>			
Interface ports	Serial (RJ45), USB and SmartSlot (Note: models denoted with asterisk * are also available in “NC” version with pre-installed AP9631 network management card.)		
Control panel and alarms	Alphanumeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm, and configurable delays		
Emergency power off (EPO)	Yes		
<b>Surge protection</b>			
Surge energy rating	540 J		
Filtering	Full-time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449		
<b>Physical</b>			
Maximum height (inches)	17		
Maximum width (inches)	7.0 (4U)		
Maximum depth (inches)	19		
Net weight (pounds)	85		
<b>Conformance</b>			
Regulatory	UL 1778, CSA		
Warranty and equipment protection policy	3-years electronics, 2-years battery, and \$150,000 lifetime EPP		