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

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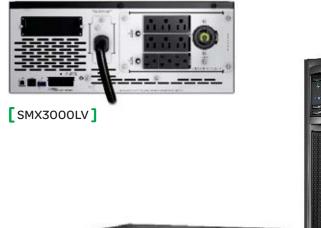Temperature-compensated
charging extends life and
advanced algorithms recommend
replacement date

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

About:
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
Output					
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			
Input					
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
Batteries and runtime					
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof				
Replacement battery	RBC48	RBC6	RBC7	RBC55	
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	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	
Surge protection and filtering					
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				
Physical					
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
Conformance					
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
Output						
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					
Input						
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
Batteries and runtime						
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof					
Replacement battery	APCRBC123	APCRBC132	APCRBC88	APCRBC133	RBC43	
Runtime estimates						
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
Communication and management						
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	
Surge protection and filtering						
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					
Physical						
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
Conformance						
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*
Output						
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			
Input						
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	
Batteries and runtime						
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 www.apc.com for runtime charts					
Communication and management						
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					
Surge protection						
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					
Physical						
Maximum height (inches)	3.5 (2U)					
Maximum width (inches)	17					
Maximum depth (inches)	19			6		
Net weight (pounds)	49	50	55	85		
Conformance						
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
Output			
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		
Input			
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
Batteries and runtime			
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 www.apc.com for runtime charts		
Communication and management			
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		
Surge protection			
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		
Physical			
Maximum height (inches)	17		
Maximum width (inches)	7.0 (4U)		
Maximum depth (inches)	19		
Net weight (pounds)	85		
Conformance			
Regulatory	UL 1778, CSA		
Warranty and equipment protection policy	3-years electronics, 2-years battery, and $150,000 lifetime EPP		