

APC Smart-UPS®

Advanced line interactive power protection for servers and network equipment.



The world's most popular network and server UPS.

Award-winning Smart-UPS® protects critical data by supplying reliable, network-grade power in either traditional tower or rack-optimized convertible form factor.. Included PowerChute® management software provides IT administrators the comfort of safe system shutdown and advanced UPS management.

- *Reliable*
- *Intelligent*
- *Efficient*
- *Manageable*

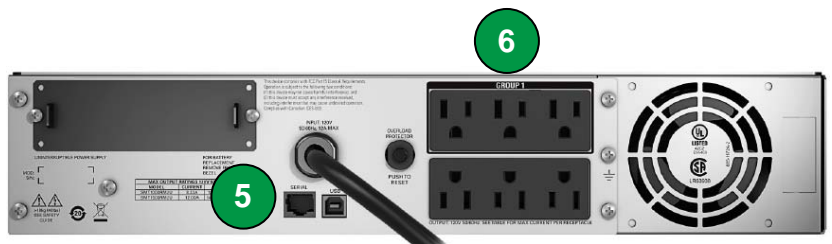


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by Schneider Electric

APC Smart-UPS®

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

Tower and Rackmount 750-3000VA



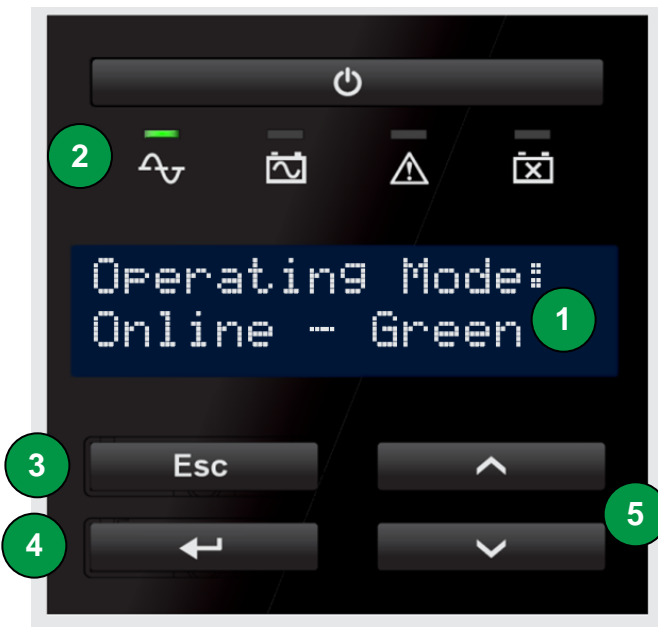
Standard features:

- 1 Alpha/numeric LCD Display**
Intuitive interface provides detailed and accurate information with ability to configure locally.
- 2 High Efficiency Green Mode**
Optimum efficiency which saves utility and cooling costs
- 3 Network Grade Power Conditioning**
Extended range automatic voltage regulation (AVR), noise filtering and surge protection.
- 4 Advanced battery management**
Temperature compensated charging extends life and advanced algorithms recommend replacement date.
- 5 Communication Ports**
Serial, USB and Smart-slot for accessory cards
- 6 Switched Outlet Group**
Reboot hung devices, shed non-critical loads to conserve runtime, sequenced start-up/turn off.
- 7 Battery disconnect**
Convenient way to disconnect battery for transport

APC Smart-UPS® Display

Intuitive, easy to use LCD interface.

On all SMT and SMX models.



1

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 setting
- Sensitivity
- Voltage transfer points
- Alarm, delay and threshold settings

Test and diagnostics:

- Initiate battery and runtime calibration tests

Logs:

- See explanation of last ten transfers and faults

About:

- UPS and replacement battery part numbers
- Serial numbers
- Battery install and suggested replacement dates

2

Quick Status Indicators

Online, on battery, fault and replace battery Leds for quick status identification.

3

Escape

Exits to the previous menu or screen.

4

Return

Used to enter or confirm settings.

5

Navigation arrows

Allows quick adjustment of settings.

Standard Tower models

Product feature	SMT750	SMT1000	SMT1500	SMT2200	SMT3000	
Output						
Power Capacity	500W/750VA	670W/1000VA	980W/1500VA	1980W/2200VA	2700W/3000VA	
Nominal Output Voltage	120V					
Output Frequency	57-63Hz					
Wave Form Type	Sine wave					
Output Connections	(6) NEMA 5-15R	(8) NEMA 5-15R		(8) NEMA 5-15R (2) NEMA 5-20R		
Input						
Nominal Input Voltage	120V					
Input Voltage Range for main operations (Max adjustable range)	82-144V (75-154V)					
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)					
Input Connection	NEMA 5-15P, 6ft cord			NEMA 5-20P	NEMA L5-30P	
Batteries and Runtime						
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof					
Typical Backup Time at 1/2 Load (min)	15.9 min	20.6 min	23.9 min	24.1 min	13.6 min	
Typical Backup Time at full Load (min)	4.6 min	6.1 min	6.7 min	6.7 min	5.5 min	
Replacement Battery	RBC48	RBC6	RBC7	RBC55		
Communication and Management						
Interface Ports	Serial (RJ45), USB and Smart-Slot					
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	459J	480J				
Filtering	Full time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL1449					
Physical						
Maximum Height (in)	6.20in	8.50 in	8.50 in	17.0 in	17.0 in	
Maximum Width (in)	5.40in	6.70 in	6.70 in	7.7 in	7.7 in	
Maximum Depth (in)	14.10in	17.3 in	17.3 in	21.5 in	21.5 in	
Net Weight	29 lbs	42 lbs	53 lbs	112 lbs	116 lbs	
Conformance						
Regulatory	UL 1778, FCC Part 15 Class A, CSA					
Warranty and Equipment Protection Policy	3 years electronics, 2 years battery and \$150,000 lifetime EPP					



Standard Rackmount models

Product feature	SMT750RM2U	SMT1000RM2U	SMT1500RM2U	SMT2200RM2U	SMT3000RM2U	
Output						
Power Capacity	500W/750VA	700W/1000VA	1000W/1440VA	1980W/2200VA	2700W/3000VA	
Nominal Output Voltage	120V					
Output Frequency	57-63Hz					
Wave Form Type	Sine wave					
Output Connections	(6) NEMA 5-15R			(6) NEMA 5-15R (2) NEMA 5-20R		
Input						
Nominal Input Voltage	120V					
Input Voltage Range for main operations (Max adjustable range)	82-144V (75-154V)					
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)					
Input Connection	NEMA 5-15P, 8ft cord			NEMA 5-20P 8ft cord	NEMA L5-30P 8ft cord	
Batteries and Runtime						
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof					
Typical Backup Time at 1/2 Load (min)	16.0 min	31.3 min	25.8 min	10.1 min	11.7 min	
Typical Backup Time at full Load (min)	5.5 min	8.7 min	7.2 min	5.2 min	3.4 min	
Replacement Battery	APCRBC123	APCRBC132	APCRBC133	RBC43		
Communication and Management						
Interface Ports	Serial (RJ45), USB and Smart-Slot					
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	Full time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL1449					
Physical						
Maximum Height (in)	3.50 in	3.50 in	3.50 in	3.50 in	3.50 in	
Maximum Width (in)	17.00in	17.00 in	17.00 in	19.00 in	19.00 in	
Maximum Depth (in)	16.00in	18.00 in	18.00 in	26.00 in	26.00 in	
Net Weight	38 lbs	62 lbs	63 lbs	96 lbs	96 lbs	
Conformance						
Regulatory	UL 1778, FCC Part 15 Class A, CSA					
Warranty and Equipment Protection Policy	3 years electronics, 2 years battery and \$150,000 lifetime EPP					



APC Smart-UPS® Extended Run

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

Extended Run 750-3000VA



Additional features from standard:

1 Slim 2U Rack/Tower Convertible Form
Display rotates easily for use in or out of a rack.

2 High Frequency Design
Reduces size of (or eliminates) bulky transformers making installation even easier.

3 High and Low Voltage Models (2kVA and above)
Configurable output from 100-127V on low voltage models and 200-240 on high voltage models.

4 Models available with Pre-installed Network Cards
Models with "NC" suffix have pre-installed AP9631 network cards with temperature monitoring.

5 Smart External Battery Connector
Accept external batteries and increases runtime automatically to increase availability

6 Switched Outlet Groups
Reboot hung devices, shed non-critical loads to conserve runtime, sequenced start-up/turn off.

7 Emergency Power Off (EPO)
Provides for remote UPS shutoff in the event of a fire or other emergency.



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Extended Run Rack/Tower Convertible models

Product feature	SMX750	SMX1000	SMX1500RM2U	SMX2000RMLV2U	SMX2200RMLV2U	SMX3000RMLV2U
Output						
Power Capacity	500W 750VA	800W 1000VA	1200W 1500VA	1800W 1920VA	1980W 2200VA	2700W 3000VA
Nominal Output Voltage	120V			100/110/120/127V		
Output Frequency	57-63Hz					
Wave Form Type	Sine wave					
Output Connections (NEMA)	(8) 5-15R (750 has 1 group, 1000 has 2, 1500 has 3)			(3) 5-15R (3) 5-20R (1) L5-20R	(3) 5-15R (3) 5-15R (2) 5-20R	(3) 5-15R (3) 5-20R (1) L5-30R
Input						
Nominal Input Voltage	120V			100-127V		
Input Voltage Range for main operations (Max adj. range)	82-143V (75-153V)			70-153V		
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)					
Input Connection	NEMA 5-15P 8 ft cord			NEMA 5-20P	NEMA L5-30P	
Batteries and Runtime						
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof					
Typical Backup Time at ½ Load (min)	24 min	20 min	14 min	30 min	26 min	14 min
Typical Backup Time at full Load (min)	12 min	8 min	5 min	8 min	7 Min	5 min
Replacement Battery (UPS)	APCRBC116		APCRBC115	APCRBC117		
External Battery Pack	SMX48RMBP2U			SMX120RMBP2U		
Replacement Battery (XBP)	APCRBC115			APCRBC118		
Communication and Management						
Interface Ports	Serial (RJ45), USB and Smart-Slot					
Control Panel and Alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays					
Emergency Power off (EPO)	Yes					
Surge Protection and Filtering						
Surge Energy Rating	540J					
Filtering	Full time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL1449					
Physical						
Maximum Height (in)	3.5 in (2U)					
Maximum Width (in)	17 in					
Maximum Depth	19 in			26 in		
Net Weight	49 lbs	50 lbs	55 lbs	85 lbs		
Conformance						
Regulatory	UL 1778, FCC Part 15 Class A, cUL					
Warranty and Equipment Protection Policy	3 years electronics, 2 years battery and \$150,000 lifetime EPP					

