

Smart-UPS XL

APC Smart-UPS XL 3000VA 120V Tower/Rack Convertible



APC Smart-UPS XL, 2700 Watts / 3000 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232, Smart-Slot, Extended runtime model, Rack Height 5 U

Includes: CD with software, Smart UPS signalling RS-232 cable, User Manual

Standard Lead Time: Usually Ships within 4 Weeks

SUA3000XL Features



Rack/Tower convertible	Protects the initial investment in the UPS when migrating from tower to rack-mount environment.
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Smart-UPS XL Features & Benefits


Availability	
Scalable runtime	Allows additional run time to be quickly added as needed.
Boost and Trim Automatic Voltage Regulation (AVR)	Gives higher application availability by correcting low and high voltage conditions without using the battery.
Power conditioning	Protects connected loads from surges, spikes, lightning, and other power disturbances.
Temperature-compensated battery charging	Prolongs battery life by regulating the charge voltage according to battery temperature.
Intelligent Battery Management	Maximizes battery performance, life, and reliability through intelligent, precision charging.
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Automatic self-test	Periodic battery self-test ensures early detection of a battery that needs to be replaced.
Cold-start capable	Provides temporary battery power when the utility power is out.
Disconnected battery notification	Warns when a battery is not available to provide backup power.
Generator Compatible	Ensures clean, uninterrupted power to protected equipment when generator power is used.
Manageability	
Network manageable	Provides remote management of the UPS over the network.
SmartSlot	Customize UPS capabilities with management cards.
Audible Alarms	Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition.
LED status indicators	Quickly understand unit and power status with visual indicators.
Disconnected battery notification	Warns when a battery is not available to provide backup power.
Serial Connectivity	Provides management of the UPS via a serial port.
InfraStruXure Manager Compatible	Enables centralized management via the APC InfraStruXure® Manager.
Serviceability	
User-replaceable batteries	Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR)
Hot-swappable	Ensures clean, uninterrupted power to protected equipment while batteries

batteries	are being replaced
Predictive failure notification	Provides early-warning fault analysis ensuring proactive component replacement.
Resettable circuit breakers	Enables a quick recovery from overload events.
Adaptability	
Plug-and-Play external batteries	Ensures clean, uninterrupted power to the loads when adding extra runtime to the UPS.
Adjustable voltage-transfer points	Maximizes useful battery life by widening the input voltage window or tightening the output voltage regulation.
Adjustable voltage sensitivity	Provides the ability to adapt the UPS for optimal performance in specific power environments or generator applications.
Safety	
Safety-agency approved	Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals.

Output

Output Power Capacity	2700 Watts / 3000 VA	
Max Configurable Power	2700 Watts / 3000 VA	
Nominal Output Voltage	120V	
Efficiency at Full Load	96%	
Output Voltage Distortion	Less than 5% at full load	
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal	
Crest Factor	up to 5 : 1	
Waveform Type	Sine wave	
Output Connections	(9) NEMA 5-15R	
	(2) NEMA 5-20R	

Input

Nominal Input Voltage	120V	
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input Connections	NEMA L5-30P	
Cord Length	2.44 meters	
Input voltage range for main operations	82 - 144V	
Input voltage adjustable range for mains operation	75 - 154V	

Batteries & Runtime

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	3 hour(s)
Replacement Battery	RBC55
RBC™ Quantity	1
Typical Backup Time	17.0 minutes (1350 Watts)

at Half Load

Typical Backup Time at Full Load 5.0 minutes (2700 Watts)

Runtime Chart [Smart-UPS XL](#)

Extended Run Options [APC Smart-UPS XL 3000VA 120V Tower/Rack Convertible](#)

Communications & Management

Interface Port(s)	DB-9 RS-232,Smart-Slot
Available SmartSlot™ Interface Quantity	1
Control panel	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Optional

Surge Protection and Filtering

Surge energy rating	480 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Physical

Maximum Height	432.00 mm
Maximum Width	196.00 mm
Maximum Depth	503.00 mm
Rack Height	5U
Net Weight	63.64 KG
Shipping Weight	82.73 KG
Shipping Height	559.00 mm
Shipping Width	381.00 mm
Shipping Depth	762.00 mm
Color	Black
Units per Pallet	3.00

Environmental

Operating Environment	0 - 40 °C
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Operating Relative Humidity	0%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	53.00 dBA
Online Thermal Dissipation	305.00 BTU/hr

Conformance

Regulatory Approvals	CSA,FCC Part 15 Class A,UL 1778
Standard Warranty	2 years repair or replace,optional on-site warranties available,optional extended warranties available
ROHS/WEEE Compliance	RoHS 7b Exemption

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.

Introduction

About this unit

The American Power Conversion (APC®) SUA48XLBP external battery pack connects to the APC Smart-UPS®. Together these units provide extended protection for electronic equipment from utility power blackouts, brownouts, sags and surges. The UPS and the external battery pack together provide continuous power from the batteries until utility power returns to safe levels or the batteries are fully discharged.

Unpack

Read the Safety Guide before installing the unit.


Inspect the unit upon receipt. Notify the carrier and dealer if there is damage.

The packaging is recyclable; save it for reuse or dispose of it properly.

Check the package contents:

- External battery pack
- Front bezel
- Literature kit containing:
 - Eight ornamental screws for securing the unit in the rack
 - Eight 5/16 in (.8 cm) pan-head screws for attaching cleats to the chassis rails (required for four post rack only)
 - Eight 5/8 in (1.6 cm) pan-head screws for attaching rack-mount brackets to the unit
 - Eight snap-on speed nuts
 - Two cleats (required for four post rack only)
 - Two rack-mount brackets
 - Product documentation
 - Smart-UPS® User Manuals CD
 - Safety information
 - Warranty information

Specifications

Temperature Operating Storage	32° to 104° F (0° to 40° C) 5° to 86° F (-15° to 30° C) charge the batteries every six months 86° to 113° F (30° to 45° C) charge the batteries every three months	This unit is intended for indoor use only. Select a location sturdy enough to handle the weight. Do not operate the unit where there is excessive dust or the temperature or humidity are outside the specified limits. Environmental factors impact battery life. High temperatures, poor utility power, and frequent, short duration discharges will shorten battery life.
Maximum Elevation Operating Storage	10,000 ft (3,000 m) 50,000 ft (15,240 m)	
Humidity	0 to 95% relative humidity, non-condensing	
Weight	150 lbs (68 kg) with battery module 40 lbs (18 kg) without battery module 27 lbs (12 kg) each battery module	150 lbs (68 kg) 
Maximum Number of External Battery Packs Supported by the Smart-UPS XL	10	

NOTE: The model and serial numbers are located on a small, rear panel label. For some models, an additional label is located on the chassis under the front bezel.