



by Schneider Electric

Installation Guide Smart-UPS X 750/1000/1500 VA Rack-Mount 2U with APC™ SmartConnect

Important Safety Messages

SAVE THESE INSTRUCTIONS - This manual contains important instructions that should be followed during installation and maintenance of the Smart-UPS and batteries.

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this document or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol either to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

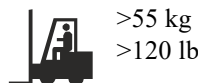
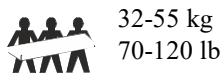
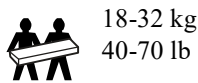
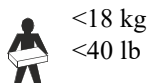
CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Product Handling Guidelines



Safety and General Information

Inspect the package contents upon receipt. Notify the carrier and dealer if there is any damage.

Read the Safety Guide supplied with this unit before installing the UPS.

- Adhere to all local and national electrical codes.
- This UPS is intended for indoor use only.
- Do not operate this UPS in direct sunlight, in contact with fluids, or where there is excessive dust or humidity.
- Be sure the air vents on the UPS are not blocked. Allow adequate space for proper ventilation.
- The battery typically lasts for two to five years. Environmental factors impact battery life. Elevated ambient temperatures, poor quality utility power, and frequent short duration discharges will shorten battery life.
- Connect the UPS power cable directly to a wall outlet. Do not use surge protectors or extension cords.

Battery

CAUTION

RISK OF HYDROGEN SULPHIDE GAS AND EXCESSIVE SMOKE

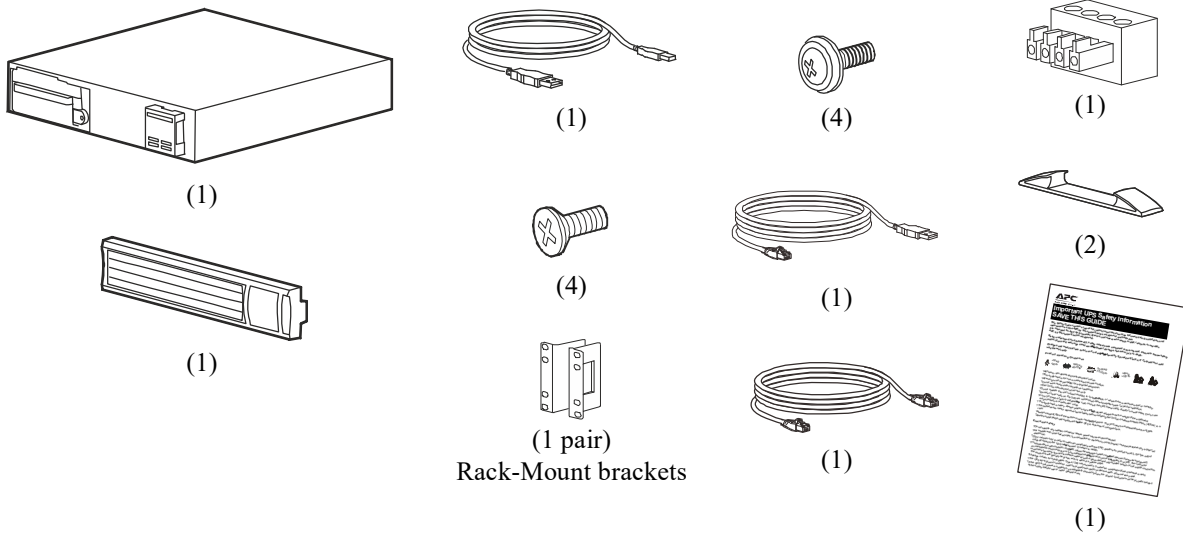
- Replace the battery at least every 5 years.
- Replace the battery immediately when the UPS indicates battery replacement is necessary.
- Replace battery at the end of its service life.
- Replace batteries with the same number and type of batteries as originally installed in the equipment.
- Replace the battery immediately when the UPS indicates a battery overtemperature condition, or UPS internal overtemperature, or when there is evidence of electrolyte leakage. Power off the UPS, unplug it from the AC input, and disconnect the batteries. Do not operate the UPS until the batteries have been replaced.
- *Replace all battery modules (including the modules in External Battery Packs) which are older than one year, when installing additional battery packs or replacing the battery module(s).

Failure to follow these instructions could result in equipment damage and minor or moderate injury.

*Contact APC by Schneider Electric Worldwide Customer Support to determine the age of the installed battery modules.

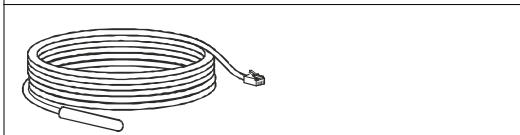
Inventory

All models



| 750/1000 VA models | | | | 1500 VA models |
|--------------------|---------------|-------------|-------------|--------------------------------|
| (2) [Bracket] | (2) [Bracket] | (4) [Screw] | (2) [Screw] | (1 pair) [Rack-mount brackets] |

Models with pre-installed network cards



PowerChute™ Management Software

For convenient control, monitoring and safe operating system shutdown, install the latest version of **PowerChute™ Business Edition** software on all servers protected by your Smart-UPS. Learn more and download for free at <https://www.apc.com/pcbe>.

For network-based, graceful, unattended shutdown of your physical servers and virtual machines, install the latest version of **PowerChute™ Network Shutdown**. Learn more and download for free at <https://www.apc.com/pcns>. To access all the network management documentation and download firmware updates, configuration wizards and MIB, visit <https://www.apc.com/upsnmc>.

Installation

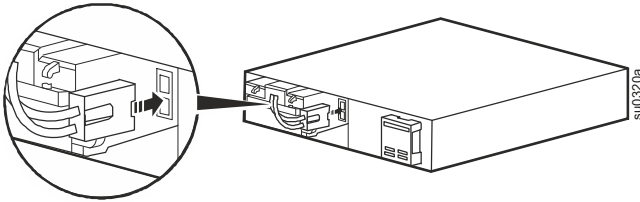
Connect the battery

⚠ CAUTION

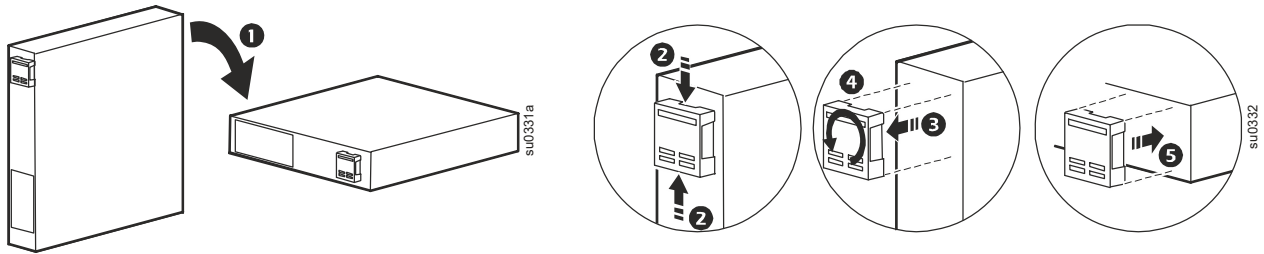
DAMAGE TO EQUIPMENT OR PERSONNEL

- The equipment is heavy. Always practice safe lifting techniques adequate for the weight of the equipment.
- Connect the battery after installing the UPS in a rack.

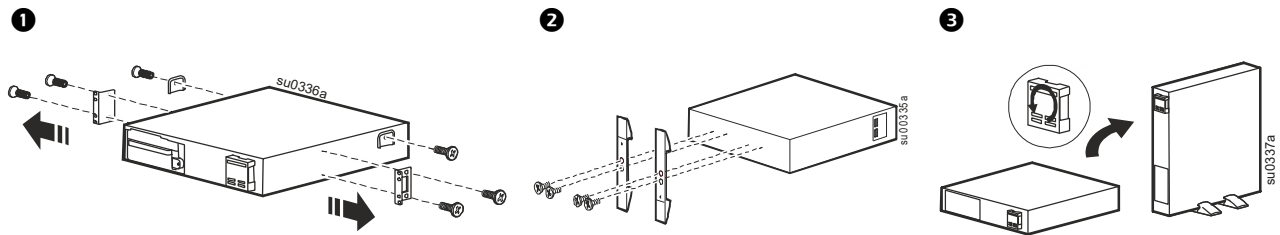
Failure to follow these instructions could result in equipment damage and minor or moderate injury.



Tower to rack-mount conversion 750/1000 VA

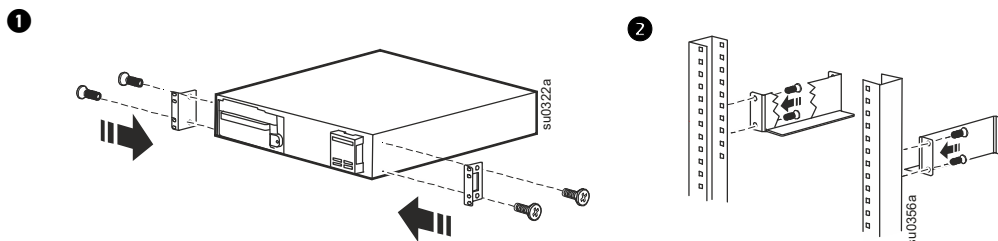


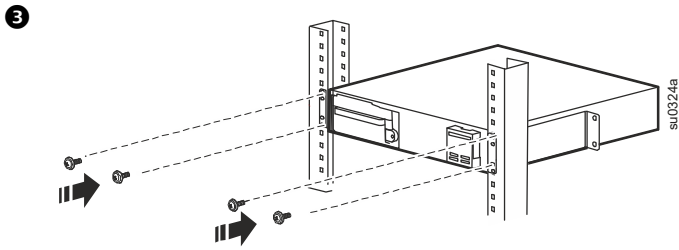
Rack-mount to tower conversion 1500 VA



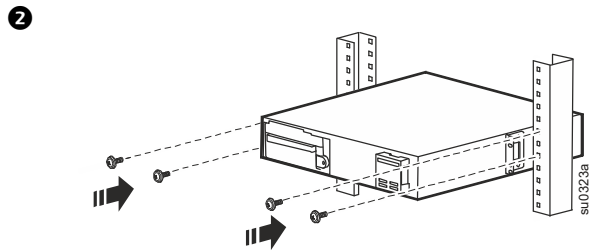
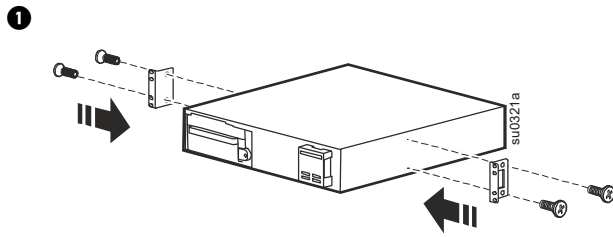
Two post rack

Front mount installation 750/1000 VA



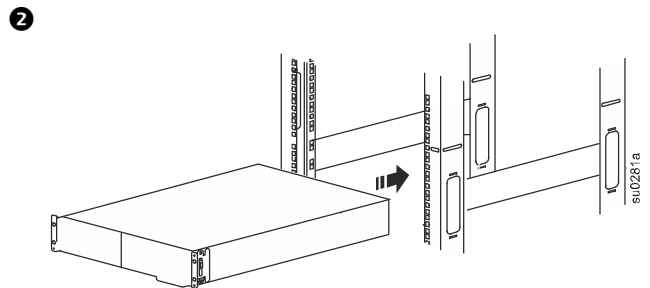
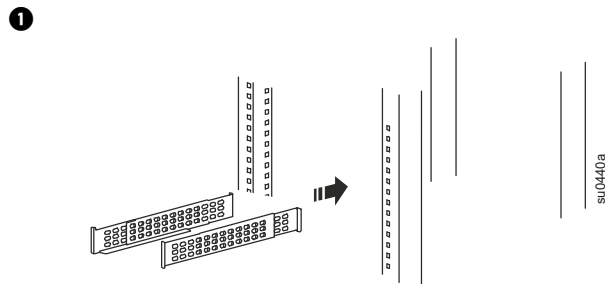


Center mount 750/1000/1500 VA

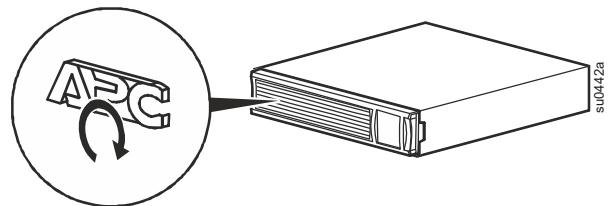
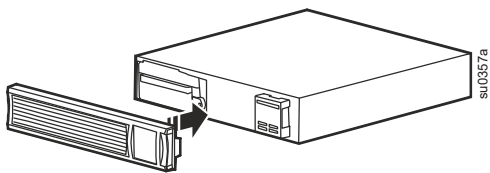


Four post rack installation 1500 VA

Use the APC Four Post Rail Kit (included with 1500 VA models only.)



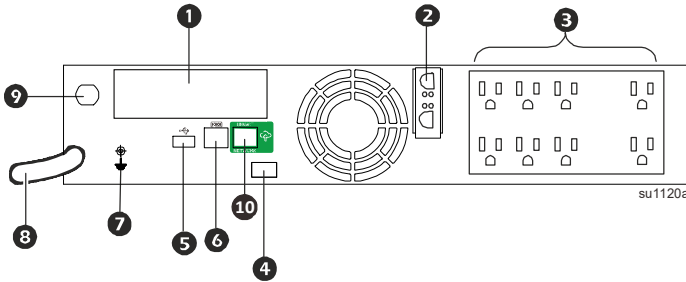
Install the bezel and rotate the logo



Start Up and Configuration

Overview

120 Vac



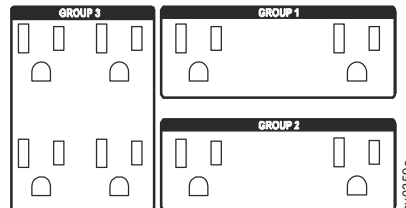
- ❶ SmartSlot (except NC models)
- ❷ External battery pack connector
- ❸ Outlets
- ❹ EPO connector
- ❺ USB port
- ❻ Serial port
- ❼ Chassis ground screw
- ❽ UPS input
- ❾ Circuit breaker
- ❿ APC™ SmartConnect Port

Controllable outlet groups

The outlets on the UPS are configured into groups. To configure the controlled outlet features, navigate to: **Main Menu > Control > Outlet1 Control**.

| SKU | Controllable Outlet Group |
|---------|---------------------------|
| 750 VA | 1 |
| 1000 VA | 1 & 2 |
| 1500 VA | 1, 2, & 3 |

Examples of switched outlet groups

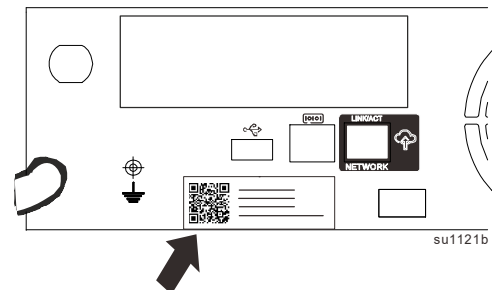


APC™ SmartConnect

APC™ SmartConnect allows you to monitor the health and status of your UPS from any device connected to the Internet. Visit www.smartconnect.apc.com to learn more.

Log onto www.smartconnect.apc.com or scan the QR code to launch the registration process. The website includes instructions to setup your online account, activate your warranty and begin monitoring your UPS remotely.

By connecting this product to the Internet using the APC™ SmartConnect port, you are agreeing to APC™ SmartConnect Terms of Use, as found at smartconnect.apc.com. Schneider Electric Data Privacy Policy can also be found at smartconnect.apc.com.



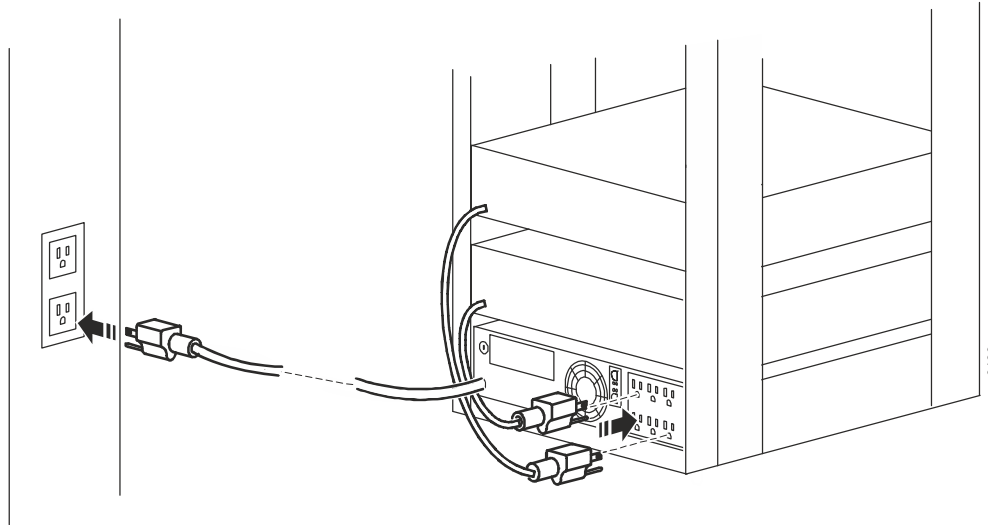
Electrical connections

⚠ CAUTION

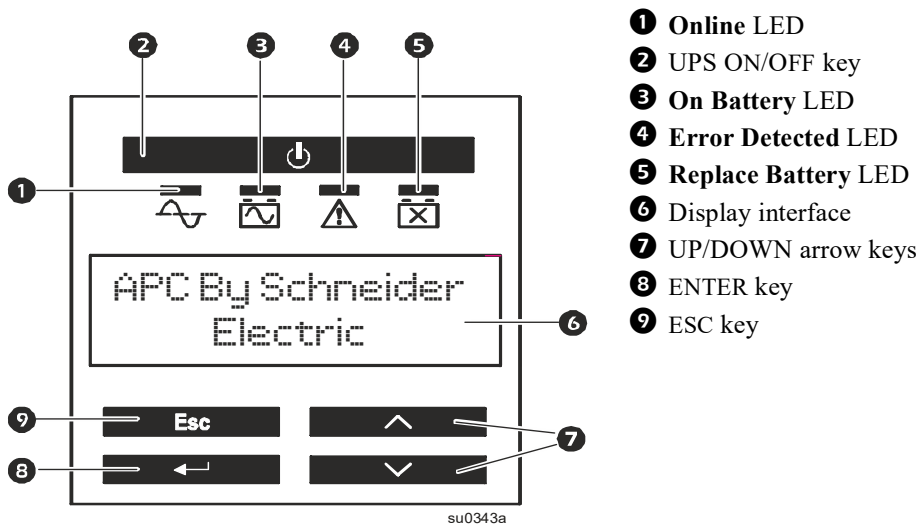
HAZARD OF ELECTRICAL SHOCK

- Adhere to all local and national electrical codes.
- Wiring should be performed by qualified electrician.
- Always connect the UPS to a grounded outlet.

Failure to follow these instructions could result in minor or moderate injury.



Display Interface



Select models are ENERGY STAR® qualified.
For more information on your specific model go to www.apc.com.



<https://d.go2se.com/SMX750CNC>



<https://d.go2se.com/SMX750C>



<https://d.go2se.com/SMX1000C>



<https://d.go2se.com/SMX1000CNC>



<https://d.go2se.com/SMX1500RM2UC>



<https://d.go2se.com/SMX1500RM2UCNC>