




APC SRT192RMBP SRT 192V Smart-UPS Battery Pack User Guide

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APC SRT192RMBP SRT 192V Smart-UPS Battery Pack



Description

This item is a component of the Smart-UPS battery systems, which give SRT mission-critical applications more runtime. During extended power outages, this extendable-run battery pack offers additional runtime. Data on the runtime and status of the batteries is provided by embedded monitoring at the cell, module, and cabinet levels. It has a 2-year warranty and a lead-acid battery. It is 91.0kg in weight and measures 683mm in depth by 432mm in height by 130mm in breadth. Ideal for mission-critical online Smart-UPS applications. It is OSHPD compliant.

Specifications

Main

- **Number of rack units:** 3U
- **Battery Type:** Lead-Acid battery
- **Provided Equipment:** Installation guide Warranty card

Batteries & Runtime

- **Battery Slots Empty:** 0
- **Included Battery Modules:** 0
- **Device Mounting:** Stand-alone battery stack
- **Battery Voltage:** 192V

Physical

- **Color:** Black
- **Height:** 5.12 in (13 cm)
- **Width:** 17.01 in (43.2 cm)
- **Depth:** 26.88 in (68.27 cm)
- **Product Weight:** 200.62 lb(US) (91 kg)
- **Mounting Mode:** Rack-mounted

Environmental

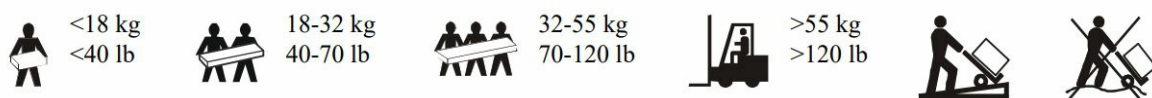
- **Ambient Air Temperature for Operation:** 32...104 °F (0...40 °C)
- **Operating altitude:** 0...10000 ft
- **Relative Humidity:** 0...95 % non-condensing
- **Ambient Air Temperature for Storage:** 5...113 °F (-15...45 °C)
- **Storage altitude:** 0...50000 ft (0.00...15240.00 m)
- **Storage Relative Humidity:** 0...95 % non-condensing

Safety Information

This Safety Guide contains important instructions that should be followed during the installation and maintenance of the APCTM by Schneider Electric equipment and batteries. It is intended for APC by Schneider Electric customers who set up, install, relocate, or maintain APC by Schneider Electric equipment.

Read, understand, and follow ALL safety instructions contained in this manual. Failure to follow safety instructions and warnings could result in equipment damage, serious injury, or death. Changes and modifications to this unit not expressly approved by Schneider Electric IT Corporation could void the warranty.

Product Handling Guidelines



- Adhere to all national and local electrical codes.
- This equipment is for use in a restricted access location.
- All wiring must be performed by a qualified electrician.
- Do not work alone under hazardous conditions.
- This UPS is intended for indoor use only.
- Do not operate this unit 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.
- For a UPS with a factory-installed power cord, connect the UPS power cable directly to a wall outlet. Do not use surge protectors or extension cords.
- The equipment is heavy. Always practice safe lifting techniques adequate for the weight of the equipment.
- The batteries are heavy. Remove the batteries before installing the UPS and external battery packs (XLBPs), in a rack.
- Always install XLBPs at the bottom in rack-mount configurations. The UPS must be installed above the XLBPs.
- Always install peripheral equipment above the UPS in rack-mount configurations.

Electrical Safety

- Do not handle any metallic connector before the power has been disconnected.
- For models with a hardwired input, the connection to the branch circuit (mains) must be performed by a qualified electrician.
- 230 V models only: In order to maintain compliance with the EMC directive for products sold in Europe, output cords attached to the UPS must not exceed 10 meters in length.
- The protective earth conductor for the UPS carries the leakage current from the load devices (computer

equipment). An insulated ground conductor is to be installed as part of the branch circuit that supplies the UPS.

The conductor must have the same size

- and insulation material as the grounded and ungrounded branch circuit supply conductors. The conductor will typically be green, with or without a yellow stripe.
- Leakage current for a pluggable, Type A UPS may exceed 3.5 mA when a separate ground terminal is used.
- The UPS input ground conductor must be properly bonded to the protective earth at the service panel.
- If the UPS input power is supplied by a separately derived system, the ground conductor must be properly bonded at the supply transformer or motor generator set.

Hardwire safety

- Check national and local codes before wiring.
- Check that all branch circuit (mains) and low voltage (control) circuits are de-energized, and locked out before installing cables or making connections, whether in the junction box or to the UPS.
- Wiring by a qualified electrician is required.
- Strain relief is required for all hardwiring (supplied with select products). Snap-in type strain reliefs are recommended.
- All openings that allow access to UPS hardwire terminals must be covered. Failure to do so may result in personal injury or equipment damage.
- Select wire sizes and connectors according to national and local codes.

Deenergizing Safety

- The UPS contains internal batteries and may present a shock hazard even when disconnected from AC and DC power.
- The AC and DC output connectors may be energized by remote or automatic control at any time.
- Before installing or servicing the equipment check that the:
 - An input circuit breaker is in the OFF position.
 - Internal UPS batteries are removed.
 - XLBP battery modules are disconnected.

Battery Safety

- Batteries typically last 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. Batteries should be replaced before end of life.
- Replace batteries immediately when the unit indicates battery replacement is necessary.
- When replacing batteries, replace them with the same number and type of batteries as originally installed in the equipment.
- APC by Schneider Electric uses Maintenance-Free Sealed Lead Acid batteries. Under normal use and handling, there is no contact with the internal components of the battery. Overcharging, overheating or other misuse of batteries can result in a discharge of battery electrolyte. Released electrolyte is toxic and may be harmful to the skin and eyes.
- **CAUTION:** Before installing or replacing the batteries, remove jewelry such as chains, wristwatches, and rings.

Use tools with insulated handles. High short circuit current through conductive materials could cause severe burns.

- **CAUTION:** Do not dispose of batteries in a fire. The batteries may explode.
- **CAUTION:** Do not open or mutilate batteries. Released material is harmful to the skin and eyes and may be toxic.

General Information

- The UPS will recognize as many as 10 external battery packs connected to the UPS.
- 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.
- Always recycle used batteries.
- Recycle the package materials or save them for reuse.

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FAQ's

What is the capacity of the APC SRT192RMBP Smart-UPS Battery Pack?

The APC SRT192RMBP Smart-UPS Battery Pack has a capacity of 192V.

Can the battery pack be used with any APC Smart-UPS model?

No, the APC SRT192RMBP Smart-UPS Battery Pack is specifically designed to be compatible with APC Smart-UPS models that support external battery packs. It's important to ensure compatibility with your specific UPS model before purchasing.

How many battery modules are included in the APC SRT192RMBP Smart-UPS Battery Pack?

The APC SRT192RMBP Smart-UPS Battery Pack consists of four battery modules.

Is the battery pack hot-swappable?

Yes, the APC SRT192RMBP Smart-UPS Battery Pack is hot-swappable, which means you can replace the batteries while the UPS is running without interrupting power to the connected equipment.

What is the weight and dimensions of the battery pack?

The APC SRT192RMBP Smart-UPS Battery Pack has a weight of approximately 91 kg and dimensions of 683mm (depth) x 432mm (height) x 130mm (width).

How long does it take to fully recharge the battery pack?

The recharge time for the APC SRT192RMBP Smart-UPS Battery Pack depends on the capacity of the connected UPS and the current battery charge level. It's recommended to refer to the user manual or contact APC customer support for specific recharge time estimations.

Can I connect multiple battery packs in parallel for extended runtime?

Yes, the APC SRT192RMBP Smart-UPS Battery Pack supports parallel operation, allowing you to connect multiple battery packs together to achieve longer runtime for your UPS.

Does the battery pack include a built-in display or indicator lights?

No, the APC SRT192RMBP Smart-UPS Battery Pack does not have a built-in display or indicator lights. The status of the battery pack can be monitored through the connected UPS or through compatible APC management software.

Is the battery pack compatible with both single-phase and three-phase Smart-UPS models?

Yes, the APC SRT192RMBP Smart-UPS Battery Pack is compatible with both single-phase and three-phase Smart-UPS models, as long as they support external battery packs.

What is the expected lifespan of the battery pack?

The lifespan of the APC SRT192RMBP Smart-UPS Battery Pack can vary depending on factors such as usage, operating conditions, and maintenance. Generally, UPS batteries are expected to last between 3 to 5 years. It's recommended to periodically check the battery's health and replace them when necessary.

Can the battery pack be used in rack-mount configurations?

Yes, the APC SRT192RMBP Smart-UPS Battery Pack is designed for rack-mount installations and can be easily integrated into standard server racks.

Does the battery pack include a warranty?

Yes, the APC SRT192RMBP Smart-UPS Battery Pack typically comes with a warranty. The duration and terms of the warranty may vary, so it's best to check the product documentation or contact APC customer support for specific warranty information.

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