



# How to replace the battery module of the protective cabinet

How do I install a battery cabinet?

Between each battery cabinet and the UPS or battery disconnect using conduit. Battery cabinets may be installed adjacent to the UPS or in a separate location. If the battery cabinet is installed adjacent to the UPS, the recommended installation location for the battery cabinet is on the right side of the UPS cabinet.

What should I do if my battery module has a disconnect?

If the circuit in which the battery module is installed has a disconnect, open the disconnect to isolate the battery module. Set both the battery module BMS and the Breaker to the OFF position. Use a DMM or other voltage measuring device to confirm the circuit is de-energized. Ensure the cable connections are clean and in working order.

How do you attach a battery cabinet to a field kit?

Align the holes in the small flat bracket over the hinge screw holes. Replace the screws in the hinges, securing the bracket to the cabinets (see Figure 4-3).10. Locate the large flat bracket from the field kit. Place the bracket over the bolts on the bottom side of the adjacent lower hinges on the battery cabinet (see NOTE

How do I install a new battery module?

Install and secure the new battery module. Connect the battery cable-end lugs to the DC bus. Connect only the positive (+) cable lug to the positive (+) busbar. Connect the negative (-) cable lug to the negative busbar (-) last to avoid sparks. Short circuits may damage the battery module, voiding the warranty.

How to connect ups CABI & Battery Cabinet?

Wiring between the UPS and battery cabinet is to be provided by the customer. When installing external interface wiring (for example, battery breaker shunt trip) to the battery cabinet interface terminals, conduit must be installed between the battery cabinets and the UPS cabinet.

What is a battery cabinet?

The battery cabinet contains one (1) 40 A battery disconnect circuit breaker and provides alarm leads attached to the common contacts of the breaker. Battery cabinets may be daisy chained as shown in Figure 7 to increase the reserve time.

Install the battery cabinet according to the installation drawings provided. Install the battery cabinet using adjustable leveling legs to ensure the cabinet is level and stable. Ensure the ...

In the last article, we introduced the comprehensive technical knowledge about lithium-ion cell, here we begin to further introduce the lithium battery protection board and BMS technical knowledge. This is a comprehensive guide to this summary from Trittek's R&D Director. Chapter 1 The origin of the protection



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board

Install the battery modules on the shelves from top to bottom. NOTE: Pay special attention to the location of type A and type B battery modules. Battery Configurations for Battery Cabinets with ...

Install the battery cabinet according to the installation drawings provided. Install the battery cabinet using adjustable leveling legs to ensure the cabinet is level and stable. Ensure the surface supporting the battery cabinet is rated to withstand the weight of the equipment. Do not block the ventilation holes. The cabinet should be ...

The NetSure(TM) 211 Series -48 VDC battery cabinet can be mounted in a 19" or 23" relay rack or mounted to a wall. The battery cabinet contains one (1) 40 A battery disconnect circuit breaker and provides alarm leads attached to the common contacts of the breaker.

Replace the battery as follows: 1. Switch off the power supply to the UPS. 2. Unscrew the two T20 screws and pull the battery module out of the UPS. 3. Push the replacement battery module into the UPS until the contacts click into place. 4. Fasten the battery module with two T20 screws and a torque of 0.7 Nm.

The average life span of a battery module is 3-5 years depending on environment and usage. For best performance the ambient temperature should be 68-77 degrees Fahrenheit. Replacing battery modules is a quick and easy process and can be performed without turning off the UPS. Please note that while you do not have to power down the UPS, you will ...

See View the Modular Battery Status to verify correct installation of the battery modules. Reinstall the battery cover on the UPS and/or the modular battery cabinet. Set the battery breaker BB to the closed (ON) position on the UPS and/or the modular battery cabinet.

Prevent the battery from being damaged due to abnormal temperature. 4. Overcurrent protection. When the battery charging and discharging current is too large, the protection board will automatically cut off ...

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Most battery modules are housed within a case or a protective cover. This helps protect the cells and BMS from knocks or harsh conditions. The case also adds physical support and insulation, making the module safer and ...

Welcome to our tutorial on replacing the Battery Module in a SMX Series APC Smart-UPS! In this video, we provide a step-by-step guide on how to remove and re...

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This chapter describes the Battery Cabinet installation operations that are required before proceeding with the cable termination and equipment turn-up. The following information is intended as a guide for the safe installation of the cabinet and does not cover the installation or replacement of batteries.

o Replace batteries with the same number and type of batteries as originally installed in the battery cabinet. o Disconnect the charging source prior to connecting or disconnecting terminals.

Using a battery module or charger that does not meet specifications may present a risk of fire, explosion, leakage, or other hazards. o Do not short-circuit a battery module or allow metallic ...

Using a battery module or charger that does not meet specifications may present a risk of fire, explosion, leakage, or other hazards. o Do not short-circuit a battery module or allow metallic conductive objects to contact battery module terminals. o Replace the battery module with only another battery module that meets

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