

# Battery cabinet and UPS installation distance



## Overview

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NOTE: The modular battery cabinet can only be installed remote to a UPS for external batteries. Contact Schneider Electric for installations with a longer distance. If the distance between the load and the UPS is higher, we must consider the voltage drop based on the distance of the cable and suitable . On behalf of everyone at Eaton, we thank you for partnering with us, for trusting us to maintain your business continuity and for preventing downtime at your facility. The type and amount of site preparation required will vary according to the specific location and its relative location to the connected load.

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### Fuji Electric, UPS Installation Requirements

The UPS equipment can be mounted with the back against a wall if rear access is not specifically required; however, if side and rear access can be maintained, it may be helpful should service

### Installation Environment and Clearance Requirements

Reserve a clearance of at least 500 mm from the top of the cabinet for operations. Reserve a clearance of at least 500 mm from the rear of the cabinets for ventilation. If the UPS will be operated from the



### Method Statement for UPS System Installation

Leave a minimum distance of 500mm between the top of the cabinet and the Ceiling of the installation area. There are no restrictions to where you can position the UPS.

### /15/20KVA UPS Battery Cabinet Installation and Operation

Do not disconnect the battery connectors under load under any circumstances. Battery replacement and external battery cabinet installation shall be handled by qualified SERVICE PERSONNEL only.



### General requirements for the installation of



## UPS systems

If the distance between the load and the UPS is greater, we must take into account the voltage drop based on the length of the cable and take appropriate measures, such as oversizing the

### Installation Planning Guide for 500kVA UPS

- Maximum size cable is based on cable bend radius limitations at the UPS terminals.
- Not more than 3 current-carrying conductors installed in conduit in ambient temperature of 30 C.



### UFC 3-520-05 Stationary Battery Areas; replaced by UFC 3-520

Provide battery cabinets, including battery cabinets for UPS systems, that are a commercial manufactured product, designed and UL listed or third-party verified and tested for battery containment.

### Stationary UPS Sizing Calculations - Part Seven

In order to provide for adequate ventilation, the UPS should be installed in a room, which has at least 1000mm of clearance on the top side or the rear side of the UPS based on the ventilation type. This



### [Eaton Samsung Gen 3 Battery Cabinet Installation and Operation](#)

The battery wiring used between the battery and the UPS for standalone installations should be a maximum of 20 meters (65 feet) with a voltage drop of less than 1% of nominal DC voltage at rated

### **Installation Procedure for UPS for External Batteries**

NOTE: The distance between the modular battery cabinet (s) and the UPS must not exceed 100 m. Contact Schneider Electric for installations with a longer distance.



## **Contact Us**

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