

## A-Core Container

# Install ESS power base station in the computer room battery cabinet



## Overview

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How are ups installed?

Each cabinet in the UPS system is placed in its installed location. A cabinet grounding/mounting kit is installed between any cabinets that are bolted together. All conduits and cables are properly routed to the UPS and any ancillary cabinets. All power cables are properly sized and terminated. Battery cables are terminated on E4 (+) and E5 (-).

How do I wire the Eaton Samsung Gen 3 battery cabinets?

Only one ground conductor is required in each conduit. Use this procedure to wire the Eaton Samsung Gen 3 Battery Cabinets to the UPS cabinet. To install wiring to connections: Verify the UPS system is turned off and all power sources are removed. Refer to the applicable UPS Installation and Operation manual for UPS operating procedures.

How does ESS work?

- Three phase loads: it is possible to connect three-phase loads to the AC-out of the Multi's. Those loads will be powered from the battery during a power failure. ESS intelligently optimizes the balance between the phases - as far as possible. While doing so, it will never charge on one phase whilst discharging on another.

How do I use ESS assistant?

- Connect to AC-input when available: Use ESS Assistant and select one of the two Optimized modes.
- Connect to AC when available, keep batteries charged: Use ESS Assistant and select the "Keep batteries charged" mode. Not available in the ESS System yet, but it will be implemented.

How many battery modules does a ups have?

The System is housed in a one or two free-standing cabinets with safety shields behind the door and front panels. The UPS is available in 50 or 60 Hz

with various output power ratings while the battery cabinet is available with 16 battery modules. The table below depicts the system model numbers and the stored energy capacity of the system.

What should I read before installing a UPS system?

The system, options, and accessories being installed dictate which parts of this manual should be read. Read through each procedure before beginning the work. Perform only those procedures that apply to the UPS system, or the battery cabinet system being installed or operated.

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### Contact Us

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