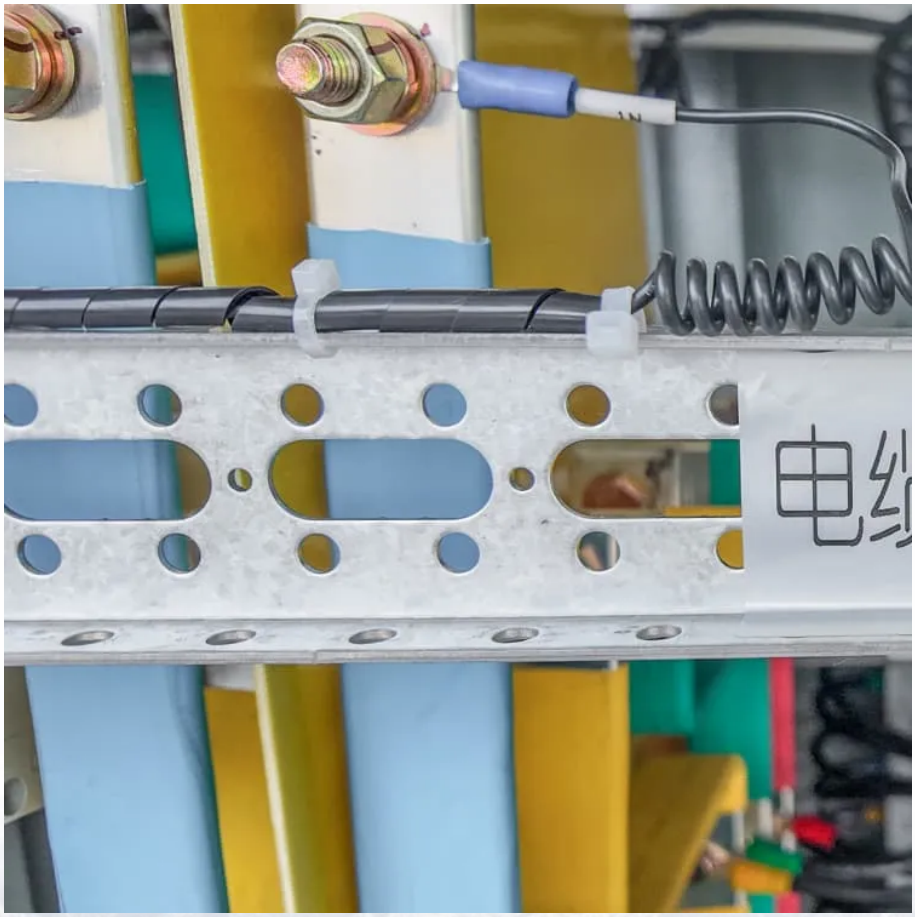
WALMER ENERGY

Instructions for replacing the communication high voltage energy storage cabinet



Overview

How many kWh is a battery cabinet?

The total nameplate energy of each battery cabinet is 279.55 kWh, the string nominal voltage is 998.4 V, and the voltage operation range is 873.6 V to 1123.2 V. The liquid-cooling chiller is equipment that can control the temperature of the antifreeze liquid of the energy storage battery and reduce the environmental humidity.

How many lifting rings are in a battery cabinet?

There are four lifting rings on top of the cabinet enclosure. The dimensions of the battery cabinet are shown below. The 279.55 kWh battery cabinet contains six (6) battery packs, one (1) high voltage (HV) control box, a battery management system (BMS), a battery thermal management system (BTMS), and a fire protection system.

Can a PCs cabinet be installed together with a battery cabinet?

The PCS cabinet is designed to be installed together with the battery cabinet(s). Please note that the provided DC and communication cables for connection between the PCS cabinet and battery cabinet are 29.5 ft (9 m) long. The foundation embedded parts are recommended to be at least 7.9 in (200 mm) apart.

How do I power on a PCs cabinet?

The power-on procedures are as follows: When the grid voltage is present, turn ON the AC fused disconnect or circuit breaker on the utility side. Confirm that 480 Vac voltage is present on the PCS cabinet's AC terminals. NOTE: Do not turn on the QF1A or QF1B breakers (QF1B is in 250 kW PCS cabinet).

Instructions for replacing the communication high voltage energy st

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