



Energy storage product operation manual

What is included in the installation and operation manual?

This Installation and Operation Manual contains important information, safety guidelines, detailed planning, and setup information for installation, as well as information about configuring, operating, and troubleshooting. Read this manual carefully before using this product or operating its system.

What are the components of energy storage system?

The energy storage system consists of a bidirectional power converter PCS, a battery system, an energy management system EMS, and other equipment, as shown in Figure 2-1 below. When the system is discharging, DC power from the lithium batteries is converted into AC power by the PCS.

Who is required to install and operate energy storage systems?

Personnel installing and/or operating the energy storage system **MUST BE** qualified electricians or those who have received professional training. Failure to follow the instructions in this manual and other relevant safety procedures could result in **DEATH** or **SERIOUS INJURY**. Installing electrical equipment and energy storage systems.

How to install energy storage system?

The energy storage system must be installed on a structure supported by a concrete foundation or channel steel with a surface made of flame-resistant materials. The foundation must be smooth, solid, safe, reliable, and have sufficient load-bearing capacity. The foundation surface must not be sunken or inclined.

How long should an energy storage system be?

29.5 ft(9 m) long. The energy storage system must be installed on a structure supported by a concrete foundation or channel steel with a surface made of flame-resistant materials. The foundation must be smooth, solid, safe, reliable, and have sufficient load-bearing capacity.

What should I know before servicing a CPS Es energy storage system?

Make sure hazardous high voltage and energy inside the equipment has been discharged before servicing. Never touch the live conductors, which can cause serious injury or death. The major components of the CPS ES series energy storage system are shown below.

This manual contains important instructions that you should follow during installation and maintenance of the Battery Energy Storage System and batteries. Please read all instructions ...

1.2.7 Operation After Power Failure storage system, and it keeps fatal high voltage even the DC side is d The Inverter maintains fatal voltage even both the DC or AC side are disconnected, so ...



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