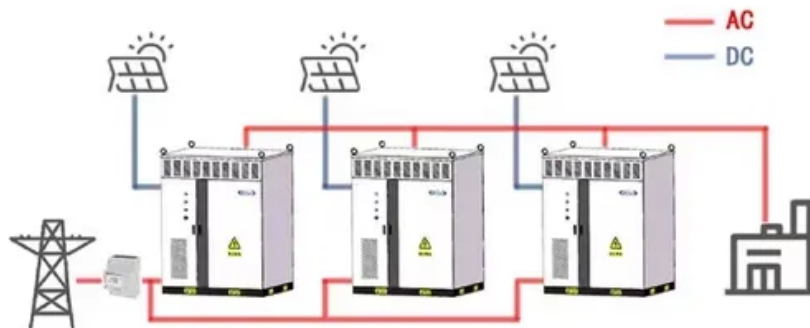


SolarTech Power Solutions

Which equipment in the base station site needs to be grounded

WORKING PRINCIPLE



Overview

Where is a grounding kit installed?

These grounding kits are installed at three points on the cable. The grounding locations are as follows: Immediately outside the cable entrance to the equipment room, shelter, or building. This ground is attached prior to the phaser type lightning suppressor.

How do equipment grounding conductors work?

Equipment grounding conductors must be appropriately sized for carrying fault currents from the frame or other electrified metallic parts of user equipment to the grounding terminal of the service equipment, usually a main electrical panel. This allows an overcurrent device to work, eliminating the fault and disconnecting power to that circuit.

What is isolated grounding?

Isolated grounding is a technique that attempts to reduce the chances of “noise” entering the sensitive equipment through the equipment grounding conductor. The grounding pin is not electrically connected to the device yoke, and, so, not connected to the metallic outlet box. It is therefore “isolated” from the green wire ground.

Do you need a grounding conductor for a metal enclosure?

Bond all metal enclosures, raceways, boxes, and equipment grounding conductors into one electrically continuous system. Consider the installation of an equipment grounding conductor of the wire type as a supplement to a conduit-only equipment grounding conductor for especially sensitive equipment.

Why is a safe grounding system important?

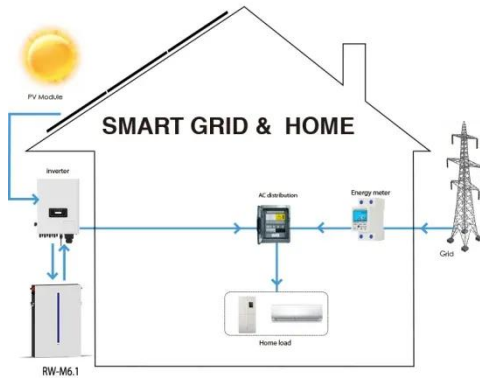
Equipment Protection: Electronic devices, especially solid-state components, are highly sensitive to transient electrical disturbances. A robust grounding

system prevents damage from lightning, switching transients, static electricity, and other electrical anomalies. Key Threats to Safe Grounding.

What types of grounding are used in industrial plants?

Types of Grounding in Industrial Plants Industrial plants typically use three primary types of grounding systems: Dirty Grounds: Dirty ground inside a facility are typically 120VAC, 220VAC or 480VAC power grounds that are associated with high-current loads, such as MCCs. These grounds handle electrical noise, spikes, and surges.

Which equipment in the base station site needs to be grounded



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Grounded , Grounded's

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...

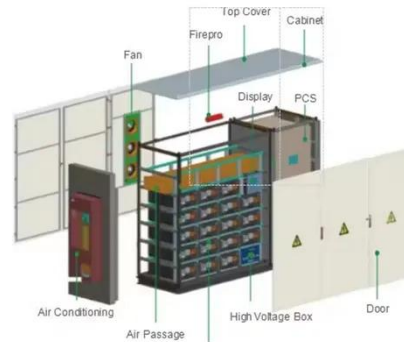
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