

How to connect the base station battery to the power line site





Overview

How to build a cascade of batteries?

Never shortcut any battery - no loops! To build a cascade of batteries (e.g. a stationary battery near solar panels and an APC at base power input), separate networks with transformers. Prefer a tree-like (or star-like) scheme of power supply over chain (cascades).

How do I set up a base station?

Set up the base station using either the tripod or T-bar mounting method. You must use an external radio antenna kit for the internal 450 MHz or 900 MHz radio. To avoid interference between the 900 MHz radio and GPRS transmissions, do not mount the external radio antenna within 1 m (3.3 ft) of the GSM antenna.

How does a base power grid work?

During an outage, the hub disconnects your home from the grid by flipping a switch and your battery powers your home instead. The switch is what ensures the battery's energy is used for only your home, essentially creating its own power grid. Base offers two different system configurations.

How do you protect a telecom base station?

Backup power systems in telecom base stations often operate for extended periods, making thermal management critical. Key suggestions include:
Cooling System: Install fans or heat sinks inside the battery pack to ensure efficient heat dissipation.



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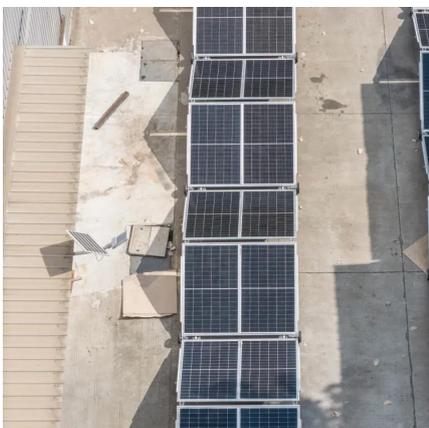
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