

# **How to connect the base station battery to the power line**





## Overview

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### How does a base battery work?

When the grid is working and chances of outages are low, Base sends some energy from the battery back to the power grid. This process is called grid-balancing. Base batteries deploy energy to the grid faster than any other service, which is how Base is able to recoup the cost of the battery equipment and keep prices low for homeowners.

### 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 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 you connect a battery in a series?

**Series Connection:** In a series setup, connect the positive terminal of the first battery to the negative terminal of the second battery. This increases the voltage while maintaining the same capacity (Ah). For example, connecting two 12V batteries in series produces a 24V system.



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### Station Battery

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Why Proper Energy Storage Battery Wiring Matters (and Why You Should Care) Let's face it: connecting an energy storage battery line isn't as simple as plugging in a toaster. ...

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## 3. Battery bank wiring

The maximum is at around 3 (or 4) paralleled strings. The reason for this is that with a large battery bank like this, it becomes tricky to create a balanced battery bank. In a large series/parallel battery bank, an ...





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## [Common ways to set up a base station](#)

The antennas are connected to the receiver by high quality RF cables. The receiver is connected to a permanent power supply (mains or generator power). The internal battery of ...

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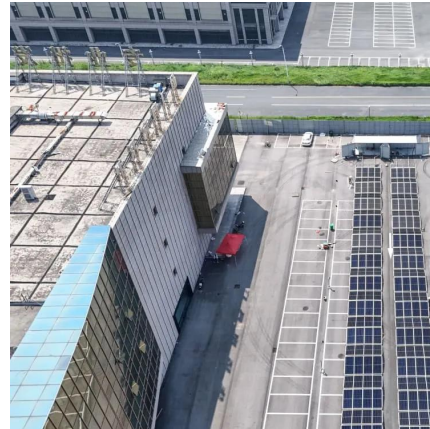
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