

SolarInnovate Energy Solutions

Lithium battery inverter parameter selection



18650 CELL



18650 Battery Pack 2S1P



18650 Battery Pack
4S1P



Overview

Are all inverters compatible with all lithium batteries?

Not all inverters are compatible with all lithium batteries. Therefore, it is crucial to ensure that the inverter you choose is designed to work with the specific type of lithium battery you plan to use. Check Manufacturer Specifications: Both the battery and inverter manufacturers typically provide a list of compatible products.

What if the battery power rating is lower than the inverter?

If the power rating of the battery is lower than the inverter, then make sure the maximum discharge current is set to conform to the battery power rating. Set the maximum discharge current to 100A in the battery settings. For batteries connected in parallel, please see the best practices guide.

How do you connect a lithium battery to an inverter?

BMS Communication Link: Most lithium batteries come with a built-in BMS that can communicate with the inverter. Ensure that this link is properly established by connecting the BMS output to the corresponding input on the inverter.

How do I choose a lithium battery?

Select the Battery Type: Navigate to the battery settings menu and select the type of lithium battery you are using. This step is crucial because different types of lithium batteries (e.g., LiFePO₄, NMC) have different charging and discharging profiles.

Are Eon lithium batteries compatible with sunsynk inverters?

EON Lithium batteries are fully compatible with Sunsynk inverters. The setup guide will assist the installer with the correct configuration and setup of the inverter and battery. Note: these settings only apply to one battery.

How to set a discharge AMP on an inverter?

Discharge Amps: Set according to Inverter size and battery capacity. 3. Shut Down The recommended shutdown % is 20% as it will prolong the battery life and deliver optimal performance. Check the rating of the inverter and the battery pack that will be working together. Make sure that the correct gauge cable is used and the correct fuse protection.

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✓ IP65/IP55 OUTDOOR CABINET

✓ OUTDOOR CABINET WITH AIR CONDITIONER

✓ OUTDOOR ENERGY STORAGE CABINET

✓ 19 INCH

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