

You say you have a 48V system but the screenshot of the settings from the BMV/SmartShunt shows a "charged voltage" of 14V. That causes the SOC to jump to 100% too early.

**On-Grid Cut-Off SOC(%) / Volt(V):** When the inverter connects to the grid and if the battery is discharging to take the load, it will stop discharge when the SOC/Voltage is lower than this limit.

By default, the SOC % will be set to 80%, so for the batteries to discharge, we recommend adjusting all SOC to the Low Battery value found on the battery shutdown page.

Once the battery discharges to the value set in **Min SOC**, the inverter will enter idle mode. Please note If the settings save fails, please check your mobile network, ensure a stable connection, log out ...

SoC Setting set the highest value where PV and AC can charge to and to lowest value where the output deliver energy. The SoC for the lowest value just cut off the power, so ...

Advanced Settings Multiple MPPT enable/disable Control Maximum Active Power Generation How to change power factor on a Solis Inverter Internal EPM set on inverters with meter connection RAI-3K ...

There is a Max SoC setting but it only applies to charging from the grid, if there is enough solar PV available the battery will charge to 100% from it. There's two MinSoC settings, as you might ...

Optimizing your inverter settings involves balancing daily energy needs with long-term battery health. Here are a few common strategies and the steps to implement them. This approach ...

Through this article, Xindun shares the role of inverter battery SOC function settings and its setting guide in hybrid mode and off grid mode to improve system operation efficiency and extend battery life.

With all due respect, follow the manufacturer's guide. There are thousands of battery discharge curves out there. There is virtually no energy between 20% SOC and 0% SOC. A common ...

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