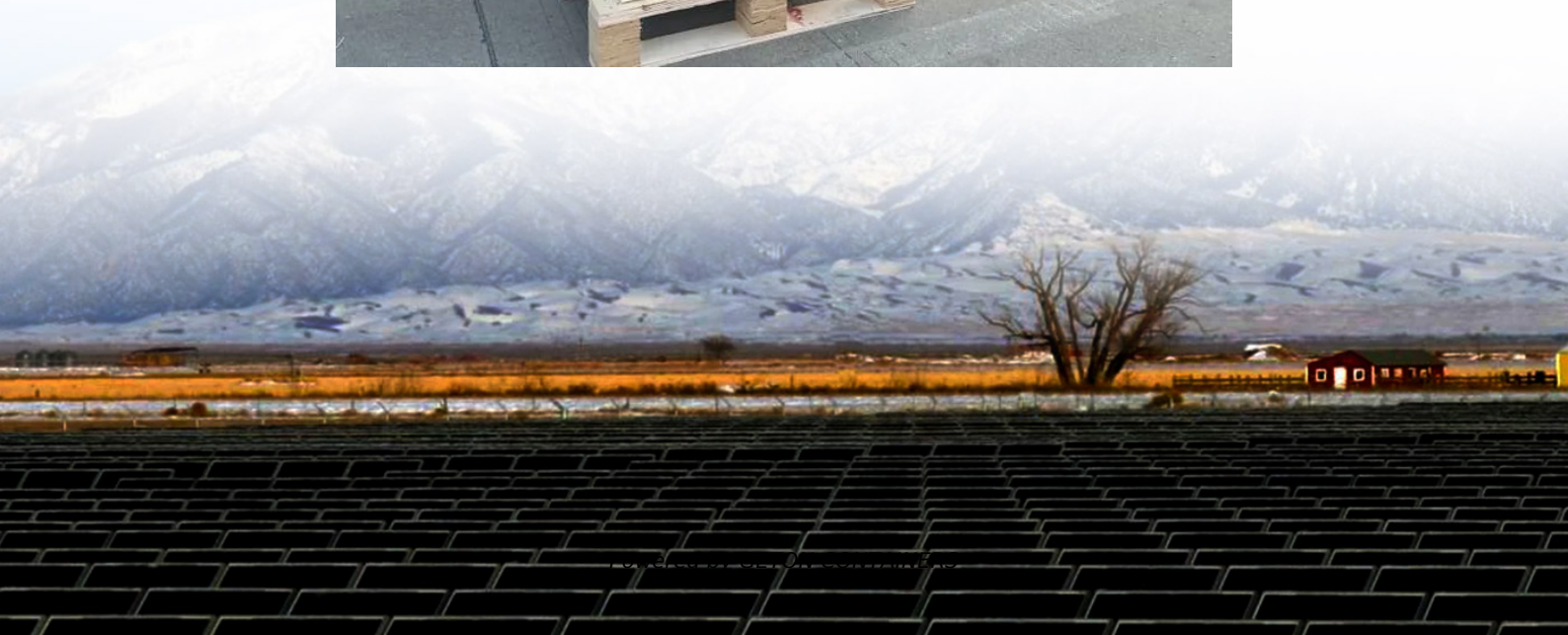


# How to discharge the solar container battery





## Overview

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What happens if a battery reaches 30% PV energy?

Once it reaches 30%, the battery will wait for surplus PV energy to charge the battery until it is fully charged. Step3: For the <Chrg&Dischrg Period> setting, The battery will only discharge during the allowed discharge time period. If the time settings for parts 1 and 2 overlap, the charging time of part 1 will take priority and be executed first.

What happens when a battery is discharged?

In the allowed discharge period, both the battery and PV will supply power to the load, with PV being prioritized. Once the battery discharges to the value set in **<Min SOC>**, the inverter will enter idle mode. Please note.

What is a battery energy storage system?

Battery Energy Storage Systems (BESS) have become a cornerstone of modern energy infrastructure. They enable the seamless integration of renewable energy sources, enhance grid stability, and provide reliable backup power.

What is the depth of discharge of a battery?

One of the most critical parameters during discharging is the depth of discharge (DOD). DOD refers to the percentage of the battery's capacity that has been used. For instance, if a battery is discharged to 40% of its capacity, the DOD is 60%. Exceeding the manufacturer-recommended DOD can significantly reduce the battery's lifespan and efficiency.



## How to discharge the solar container battery

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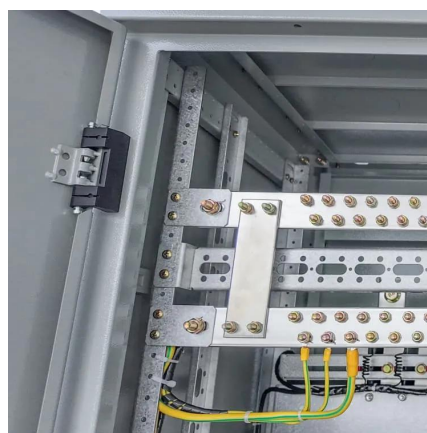
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