

# **Huawei Energy Storage Battery Working Mode**





## Overview

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The on-grid ESS has the following battery control working modes: no control, maximum self-consumption, TOU, TOU (fixed power), and charge/discharge based on grid dispatch. Choose Settings > Battery Settings > Battery Settings and set parameters such as the working mode. Figure 6-9 Working mode



## Huawei Energy Storage Battery Working Mode

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CAUTION During the power-on procedure, monitor the system for faults. If you detect any faults, power off the ESS, rectify the faults, and then continue with the procedure.

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### User Manual

The C&I on-grid energy storage solution has two networking architectures: ESS-only and PV+ESS. The ESS-only system is mainly used for peak staggering and peak shaving at the ...

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[Application Scenarios and Settings](#)

The LUNA2000 battery is mainly used in grid-tied systems of residential rooftop PV plants and small-scale PV plants in industrial and commercial scenarios. The system can be classified ...

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### HUAWEI LUNA2000

Purpose This document describes the networking architecture, communication logic, and operation and maintenance (O&M) methods of the Commercial and Industrial Grid Forming ...

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## 12.8V 200Ah



### User Manual

Purpose This document describes the installation, electrical connections, commissioning, and troubleshooting of the LUNA2000-(215-2S10, 215-2S12) Smart String Energy Storage System ...

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### Battery Control Parameters

The peak shaving function is unavailable when the battery working mode is set to Fully fed to grid. If the peak shaving function has been enabled but you need to use Fully fed to grid, disable ...

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### [Setting the Mode for the Grid-tied ESS](#)

When you set the working mode to Maximum self-consumption, by default, the end-of-charge SOC is 100% and the end-of-discharge SOC is 5% for Huawei LUNA2000. For details about ...

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### [Setting Battery Control Parameters](#)

In SmartLogger V300R023C10SPC550 and later versions, Capacity Control is displayed and can be set only in energy storage scenarios. Choose Settings > Battery Settings > Capacity ...

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### [Setting the Mode for the Grid-tied and Off-grid ESS](#)

Setting a Working Mode The modes of the grid-tied and off-grid ESS can be used together with the self-consumption or TOU mode. Enable Off-grid mode during site deployment. For details ...

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1.5 Energy Storage Control If the LUNA2000 power cables and signal cables are correctly installed, the inverter will detect and power on the battery automatically. When configured with ...

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## Battery Parameters

The peak shaving function is unavailable when the battery working mode is set to Fully fed to grid. If the peak shaving function has been enabled but you need to use Fully fed ...

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1.1.1 ESS-Only System The ESS-only system is mainly used for peak staggering and peak shaving at the grid connection point through scheduled charge and ...

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## Set the Battery Working Mode

Smart Dongle networking: Tap the Smart Dongle device card to access the Parameter settings screen. Inverter direct connection: Tap Connected devices under the inverter device card, and ...

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1.1.1 ESS-Only System The ESS-only system is mainly used for peak staggering and peak shaving at the grid connection point through scheduled charge and discharge. Fixed-power ...

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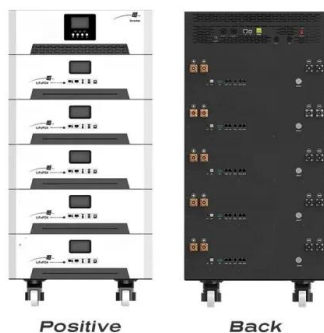
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Black start: black start for a GWh-level plant within minute-level On/Off-grid switching: Seamless switching in the VSG mode "Leveraging these six capabilities, Huawei's ...

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### [Application Scenarios and Settings](#)

If no PV module is installed in the system, only the TOU mode is supported. In the non-EMMA networking scenario, the ESS working mode can be set to TOU or Maximum self-consumption ...

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During the power-on procedure, monitor the system for faults. If you detect any faults, power off the ESS, rectify the faults, and then continue with the procedure. 5.1 On-Grid ESS-Only ...

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