Quick settings Quick settings Device magt Communication networking networking Device Mgmt. ---0--·O---------Energy storage Completed Basic parameters Energy storage Completed Basic parameters control control Working mode settings 💿 Maximum self-consumption Grid code Select a grid code 🗸 Inverter 1pcs ^ You can tap (7) to obtain the detailed working mode XXXXX information. Grid code Check whether the inverter grid code matches the local grid code. If so, go to the next step. Previous

Figure 6-9 Quick settings

----End

## **6.3.2 Battery Control**

#### **Function**

When the inverter connects to a battery, add the battery and set battery parameters.

### **Adding a Battery**

To add a battery, choose **Maintenance** > **Subdevice management** on the home screen.

Subdevice management Maintenance Power meter + Subdevice management + 1 Upgrade device Battery Log management HUAWEI-LUNA2000 (†#) Performance data > Optimizer Searching Auto search completed Battery maintenance Inverter ON/OFF OFF: unexpected shutdown Restore defaults Clear alarms (f) Clear historical energy yield Adjust total energy yield (T) Reset

Figure 6-10 Adding a battery

# Setting Parameters (Single Inverter or Cascaded System Based on Smart Dongle Networking)

Log in to the FusionSolar app as installer, connect to the inverter, choose **Power adjustment** > **Battery control** on the home screen, and set the battery control parameters and working mode.

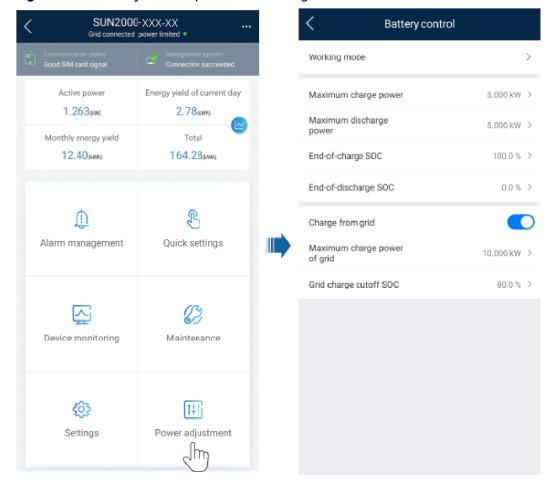


Figure 6-11 Battery control parameter setting

### Setting Parameters (Cascaded System Based on SmartLogger Networking)

 Log in to the FusionSolar app as installer, connect to the SmartLogger, choose Power adjustment > Battery control on the home screen, and set the battery working mode.

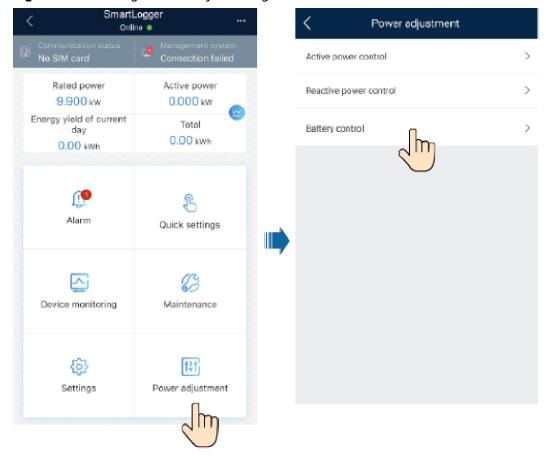


Figure 6-12 Setting the battery working mode

2. On the home screen, tap **Device monitoring**, select the corresponding inverter, and tap **Settings** to set the battery control parameters.

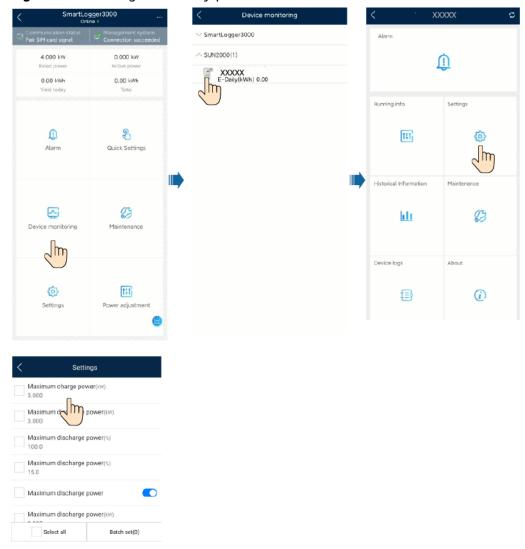


Figure 6-13 Setting the battery parameters

Parameter	Description	Value Range
Working mode	For details, see the description on the app screen.	<ul><li>Maximum self- consumption</li><li>TOU (time-of-use)</li><li>Fully fed to grid</li></ul>
Maximum charge power (kW)	Retain this parameter to the maximum charge power. Additional configuration is not required.	Charge: [0, Maximum charge power]
Maximum discharge power (kW)	Retain this parameter to the maximum discharge power. Additional configuration is not required.	Discharge: [0, Maximum discharge power]

Parameter	Description	Value Range
End-of-charge SOC (%)	Set the charge cutoff capacity.	90%–100%
End-of-discharge SOC (%)	Set the discharge cutoff capacity.	0%-20%
Charge from grid	If <b>Charge from grid</b> function is disabled by default, comply with the grid charge requirements stipulated in local laws and regulations when this function is enabled.	<ul><li>Disable</li><li>Enable</li></ul>
Grid charge cutoff SOC	Set the grid charge cutoff SOC.	[20%, 100%]

#### □ NOTE

If no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end of discharge SOC is 15%.

## 6.3.3 Querying the Battery Status

# Scenario 1: Single Inverter or Cascaded System Based on Smart Dongle Networking

Log in to the FusionSolar app as installer, connect to the inverter, and tap **Device monitoring** on the home screen to check the running status, battery level, power, and charging and discharging status of the ESS. If an alarm is generated, see **7.3** "Troubleshooting".