PolarPlus

SMART inverter wired Remote Touch Screen

User Manual

For Power Inverter Remote Operation

1. Overview

The Wired Remote Touch Screen is designed for convenient and safe remote control of the inverter.

Before use, please ensure all connections are properly installed according to the steps below.

2. Installation Steps

Step 1: Set the Inverter to “REMOTE” Mode

Locate the power switch on the front panel of the inverter.

Switch it to the “REMOTE” position to enable external control.

Step 2: Connect the Wired Remote Controller,Insert the RJ45 network cable from the Wired Remote Touch Screen into the inverter’s REMOTE port.

Ensure the connector is fully inserted and securely locked.

3. Powering On the Inverter

After completing the connection:

Locate the red power button on the Wired Remote Touch Screen.

Press the red button to start the inverter.

The display will turn on, and the inverter will enter normal operating mode.

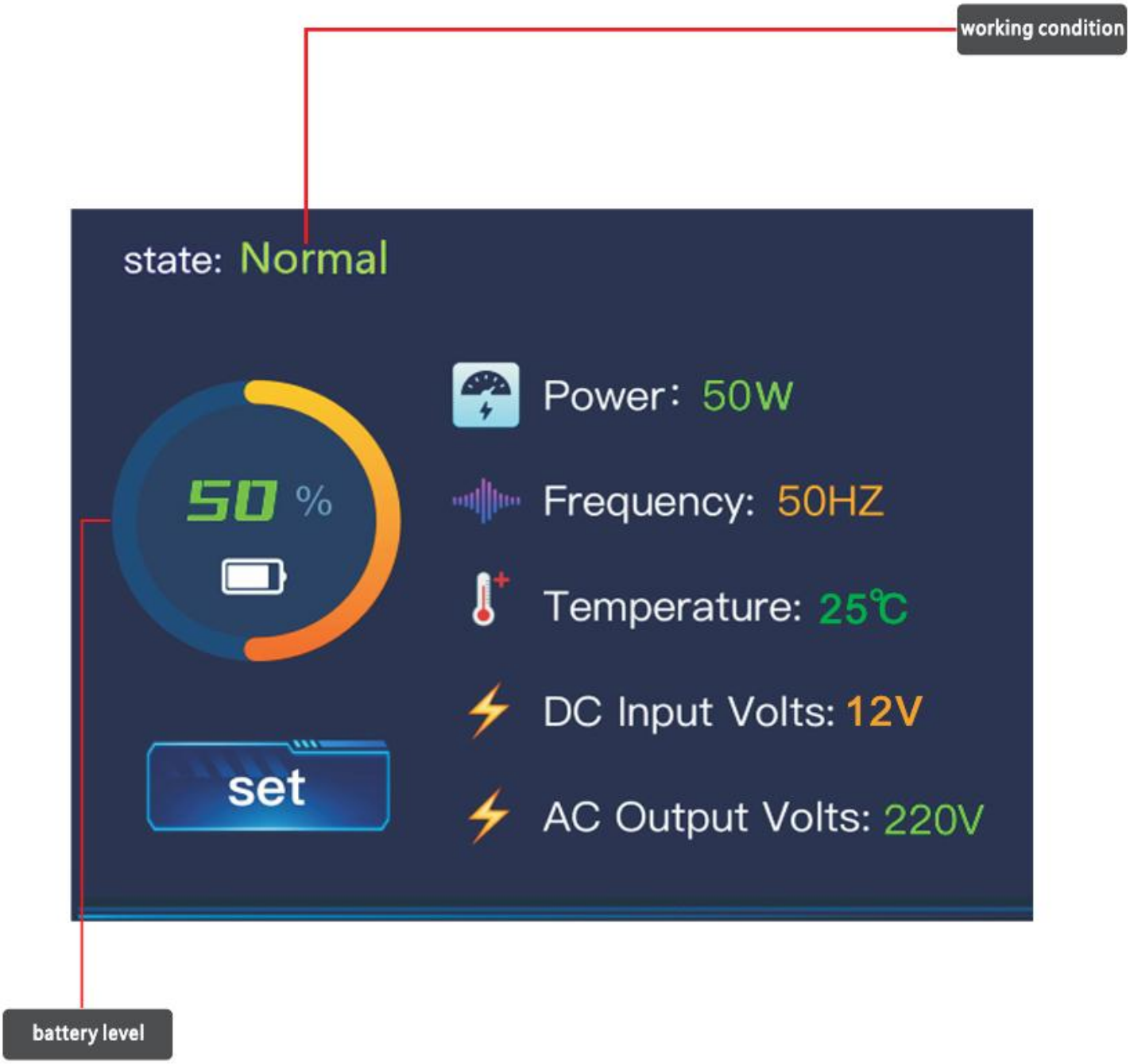
4. Notes

Ensure the inverter is properly connected to the battery before powering on.

Do not plug in or unplug the remote cable while the inverter is operating.

Keep the touch screen away from moisture, vibration, and high–temperature environments.

Touch screen settings



State: Description

Normal:

The inverter is operating normally without any faults.

Over Load:

The output load exceeds the rated capacity of the inverter.

Reduce the load and restart the inverter.

Short Circuit:

A short circuit has occurred at the AC output.

Disconnect the load, check the wiring, and restart the inverter.

Over Voltage:

The input voltage is higher than the allowable operating range.

Check the battery or power source to ensure the voltage is

within the specified limits.

Low Voltage:

The input voltage is lower than the required operating range.

Recharge or replace the battery and restart the inverter.

Over Temperature:

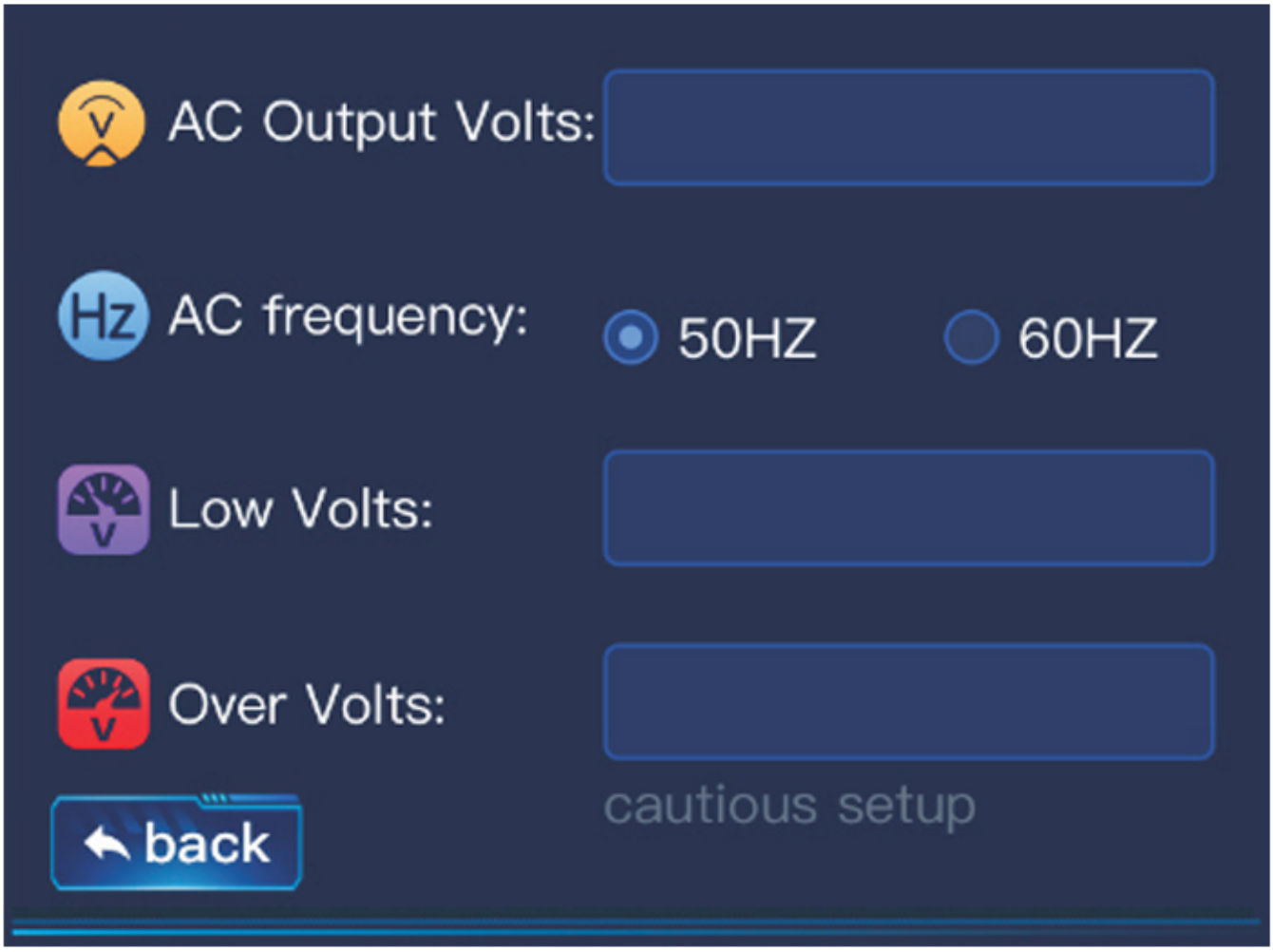
The internal temperature of the inverter is too high.

Allow the unit to cool down, improve ventilation, or reduce the load.

Rest of the Faults:

Other uncommon or system–specific faults may occur.

Please contact customer service for technical support.



Ac Output Voltage Suggestion Setting:

120V AC Output Models: 100–130V

220V AC Output Models: 200–240V

Low voltage suggestion setting:

For 12V Inverter Models: 9-11.5V

For 24V Inverter Models: 18-23V

For 48V Inverter Models: 36-46V

Over voltage suggestion setting:

For 12V Inverter Models: <16V

For 24V Inverter Models: <32V

For 48V Inverter Models: <64V