Inverter Operation Guide

Voltronic-GSDHW Series Hybrid 5KW 6KW
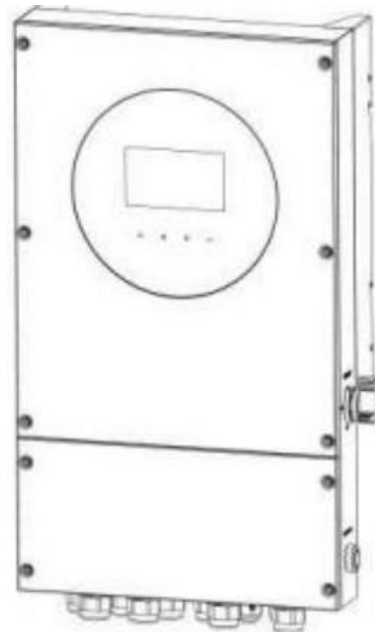
Contents

Scenario
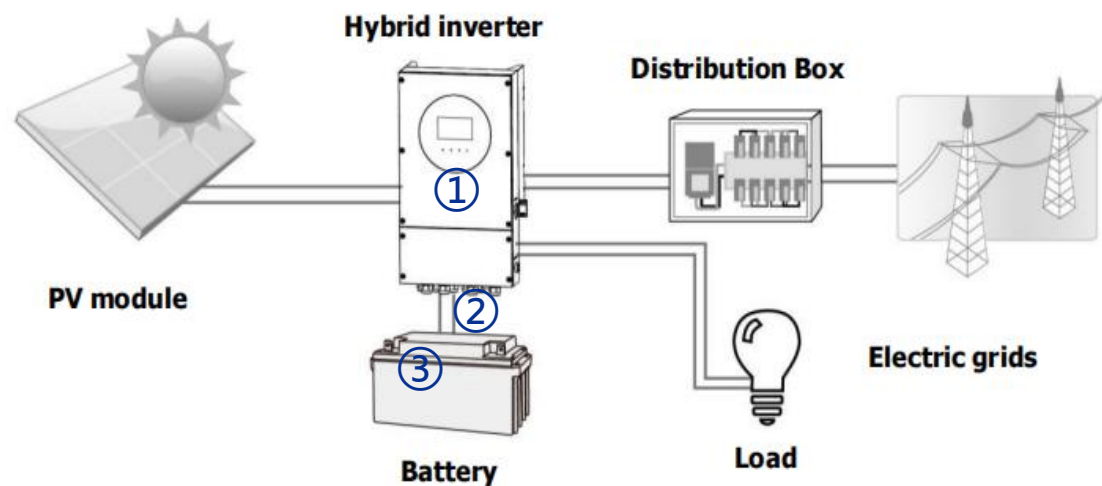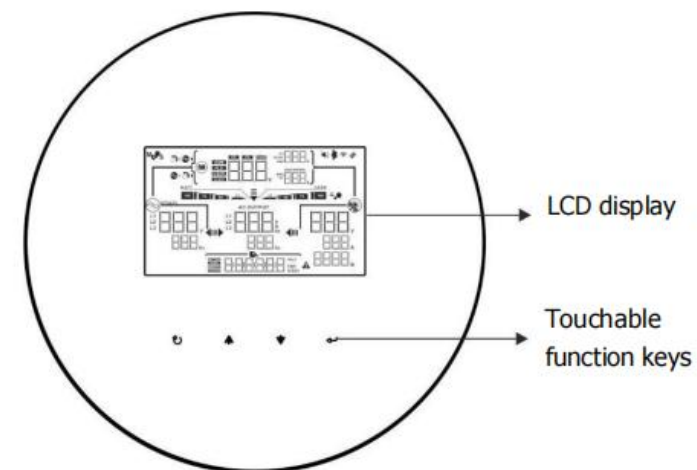
Simple home storage scenario

PCS Control Panel

Hybrid inverter

Distribution Box

① ② ③

PV module

Battery

Load

Electric grids

LCD display

Touchable function keys

Touchable Function Keys

Function Key		Description
↻	ESC	To exit the setting
		Power off(1S)
▲	Up	To last selection
▼	Down	To next selection
↵	Enter	To confirm/enter the selection in setting mode
		Power on(1S)
▲+	Up+Down	To confirm(1.5S)

Key elements

① **Invter** : Voltronic-GSDHW Series Hybrid 5KW 6KW

② **Interconnection cable**：Customized communication cable

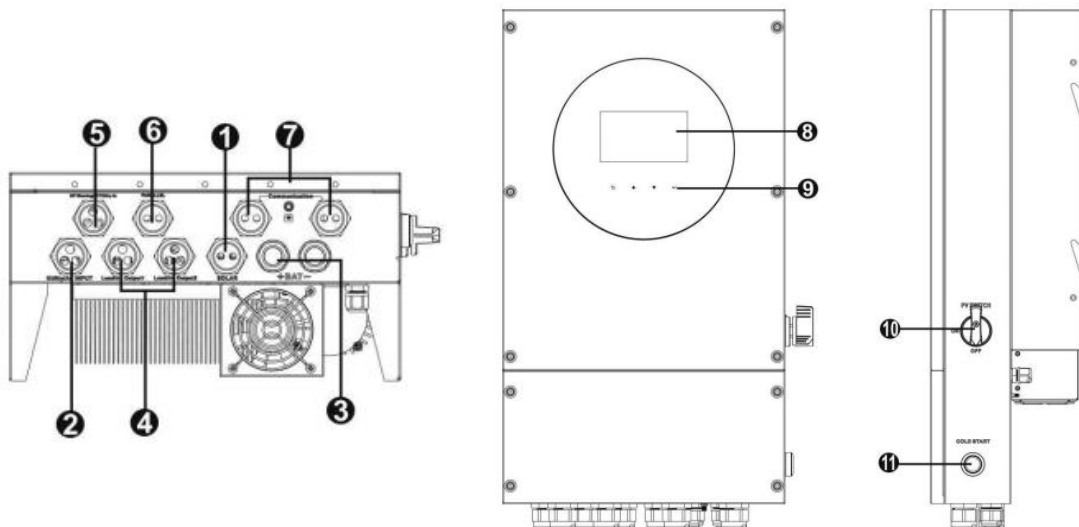③ **Battery**：The Li-ion Battery Pack composed of 16 strings of cells

PCS Interfaces

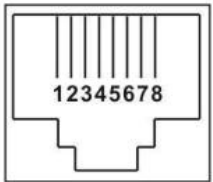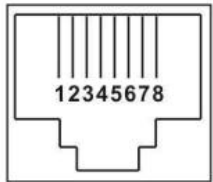| Object	Description	Object	Description
1	PV connectors	9	Operation buttons
2	AC Grid connectors	10	PV switch
3	Battery connectors	11	Cold start button
4	AC output connectors (Load connection)		
5	Sharing current ports & external sensor ports		
6	Parallel communication ports		
7	Dry contact/USB/RS-232/BMS communication ports		
8	LCD display panel (Please check section 10 for detailed LCD operation)		

Connection Between PCS and BMS

	Definition
PIN 1	RS232TX
PIN 2	RS232RX
PIN 3	RS485B
PIN 4	NC
PIN 5	RS485A
PIN 6	CANH
PIN 7	CANL
PIN 8	GND

PCS Side
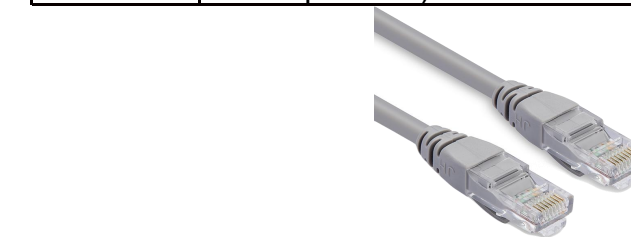
PIN1	**RS485-B**
PIN2	**RS485-A**
PIN3	GND
PIN4	**CAN-H**
PIN5	**CAN-L**
PIN6	GND
PIN7	RS485-A
PIN8	RS485-B

BMS Side
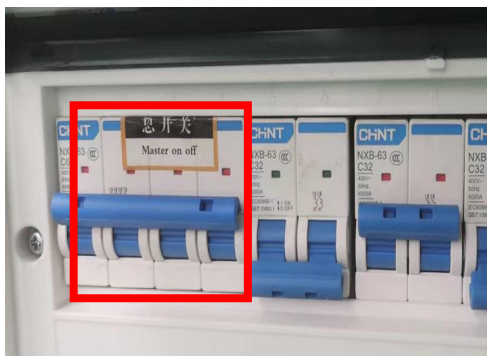
①

- Check system connection conforms
- **Turn on** the AC power switch

②

At the same time long press up amd down to turn the page to enter the settings ,turn the page up and down to select different setting items ,and click Enter to enter the setting items.

③

Find item 01,set it to SUb,adn press Enter to save

④

Find item 02,set it to RPL,and press Enter to save

⑤

Find item 03,set it to 220,and press Enter to save
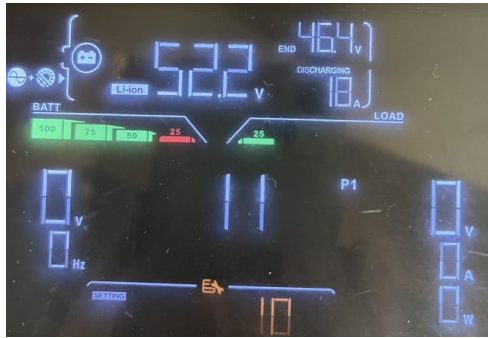
⑥

Find item 05,set it to BLU,and press Enter to save

⑦

Find item 10,set it to SNU,and press Enter to save

⑧

Find item 11 ,press the page up and down key to add or subtract values ,adn press Enter key to save

⑨

Find item 14,set it to PYL or Lic,and press Enter to save

⑩

Find item 21 ,press the page up and down key to add or subtract values ,adn press Enter key to save. （range:5-100）

App Connection Settings-1

① ② ③ ④

1.A router with less than 7 connected devices is required
2.Connected the inverter wifi

Open the App,click wifi configuration,and click to confirm that it is connected to the wifi collector

Configure to the above router ,fill in the name and password ,click Settings,and wait for the setting to succeed

Click Confirm and wait for the jump, click configure successfully,and switch to configure router after automatic