Felicitysolar®

Make life full of hope

List of Approved Inverters

Version: **Date Issued:** 2022-08-10

Issued by: Guangzhou Felicity Solar Technology Co.,Ltd

We Felicity hereby authorize

Low voltage battery packs are compatible with the following brands

of inverters

| Canbus/RS485 Matched Hybrid Inverter brands					
Brand	**Model No**	**Com Port**	**Cable Supply**	**Communication Cable**	**Steps**
Felicitysolar	• IVEM series • IVGM5048 • IVPS/IVPM/IVQM series	RS485	RJ45	PIN to PIN	Jump to steps
DEYE	• SUN- 3 / 3.6 / 5 / 6 K-SG04LP1-EU. • SUN- 3.6 / 5 / 6 K-SG03LP1-EU. • SUN- 3.6 / 5 / 6 / 7.6 / 8 K SG05LP1-EU. • SUN- 5 / 6 K-SG01LP1-US . • SUN- 7.6 / 8 K-SG01LP1-US/EU. • SUN- 5 / 6 / 8 / 10 / 12 K-SG04LP3-EU. • SUN- 12 / 14 / 16 K-SG01LP1-EU.	RS485	RJ45	115-400020-00	Jump to steps

Brand	Model No	Com Port	Cable Supply	Communication Cable	Steps
LUXPOWER	• LXP 3.6K/4.6K/5K Hybrid LXP 3600 ACS series.	RS485	RJ45	115-400020-00	/
GROWATT	• SPF 3500 ES / SPF 5000 ES • SPF4000-12000T DVM • SPE 5000TL-HVM • SPF 5000TL HVM-P • SPF 3000TL LVM-48P • SPF 3000TL HVM-48 • SPF 3500-6000ES • SPF 5000TL HVM-WPV • SPF 6000TL HVM-WPV-P	RS485	RJ45	115-400020-00	Jump to steps
VOLTRONIC	• InfiniSolar V IV TWIN 6KW. • 6.5KW / 8KW SOLAR INVERTER / CHARGER.	RS485	RJ45	115-400027-00	Jump to steps
SUNSYNK	• SUN- 3 / 3.6 / 5 / 6 K-SG04LP1-EU. • SUN- 3.6 / 5 / 6 K-SG03LP1-EU. • SUN- 3.6 / 5 / 6 / 7.6 / 8 K SG05LP1-EU. • SUN- 5 / 6 K-SG01LP1-US . • SUN- 7.6 / 8 K-SG01LP1-US/EU. • SUN- 5 / 6 / 8 / 10 / 12 K-SG04LP3-EU. • SUN- 12 / 14 / 16 K-SG01LP1-EU.	RS485	RJ45	115-400027-00	Jump to steps
MEGAREVO	• R8KLNA • R7K6LNA • R6KLNA • R5KLNA	RS485	RJ45	/	Jump to steps
To be continued…					

Operation introduction
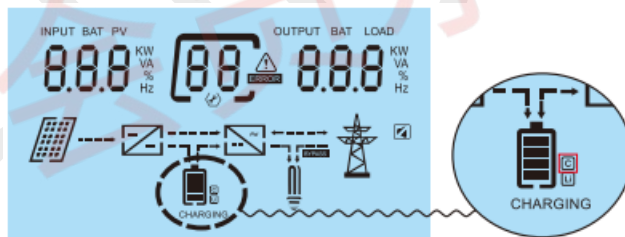
1、 Felicitysolar(IVEM,IVGM5048)

1.1   IVEM series
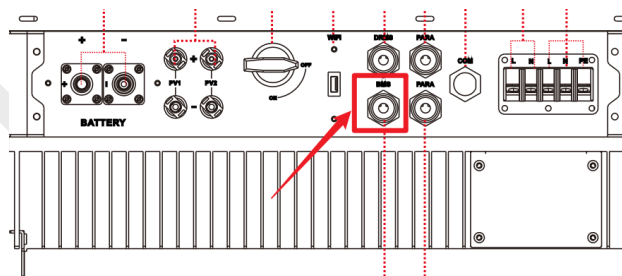
(1)   BMS 485 wiring port
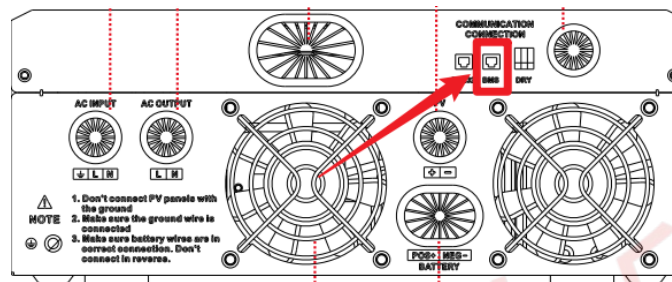
(2)   Configuration process:

Power up lithium battery and inverter. Wait a moment, if the communication is built between them, LCD will show you "C" icon as below.
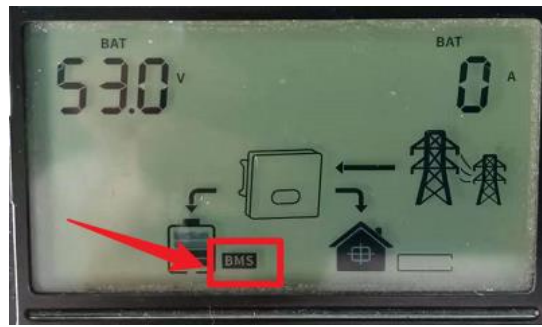

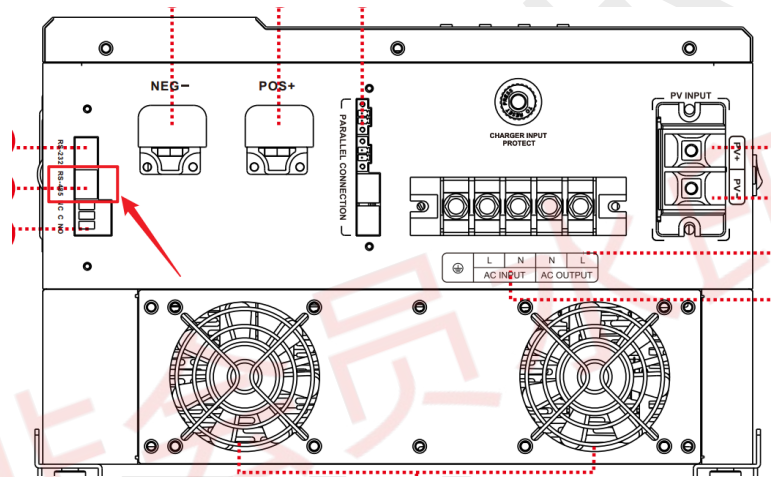### 1.2   IVGM5048

(1)   BMS 485 wiring port

(2)   Configuration process:

Insert the communication cable directly, and the BMS icon appears, that is, the communication is successful. As shown below:

1.2 IVQM5048

### (1) BMS 485 wiring port

(2) Floor plan

(3) Configuration process:

Step 1: Check whether the communication line is connected.

Step 2: After pressing and holding "ENTER" button ⏎ for 3 seconds, the unit will enter setting mode.

Step 3: Then turn the page to "15" by selecting the button ▲ ▼, When the selection item flashes, press the "ENTER" button ↵ to confirm.

Step 4: The BMS communication mode can be selected by the up and down selection buttons ▲ ▼, and the selection is successful and the O "ENTER" button ↵ is pressed. The successful setting interface is as shown below:

BMS communication

bn5   16   bn5

Step 5: If the "Li" mark appears on the display interface, it means the communication is successful, as shown in the following figure:
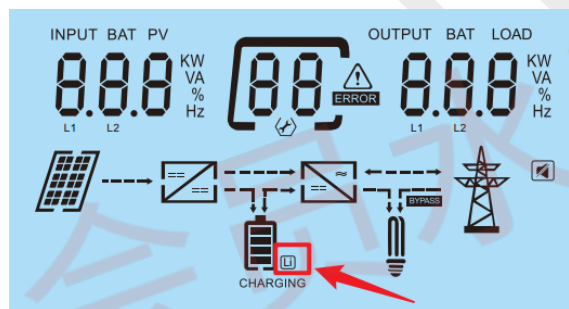
2、 DEYE/ SUNSYNK(SUN- 5/6/8/10/ 12 K-SG04LP3-EU)

(1)   BMS 485 wiring port
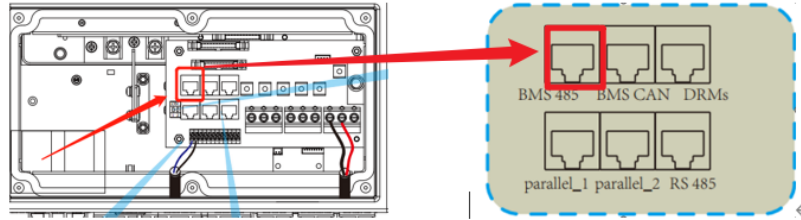
(2)   Floor plan

(3)   Configuration process :

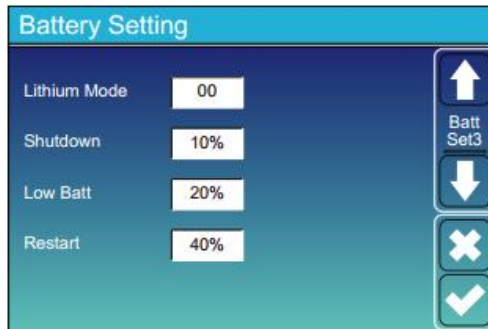Step 1: Check whether the communication line is connected.

Step 2: Power on and enter the main interface, as shown below:
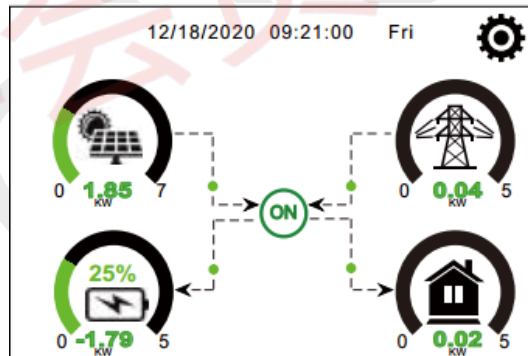
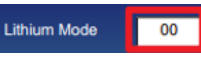Step 3: Click the setting button ⚙ in the upper right corner to enter the setting interface, as shown below:
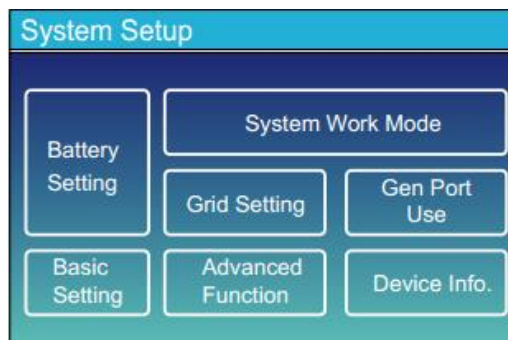
Step 4: Click the button box to enter the battery setting menu, and then click to turn the page up and down to enter the following interface:

Step 5: Click the white box , and then click use to add or subtract the number. When the number is set to "19", OK. After confirming, it will return to click

the setting interface, and you can press the ESC button to exit and return to the main interface.

Step 6: Click the battery icon on the main interface to enter the following interface:
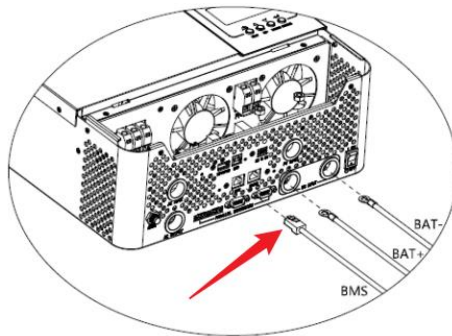
Step 7: Click the "Li-BMS" icon to enter the Li-BMS interface. If the battery

parameters are displayed normally on the observation interface, it means the communication is successful. As shown below:
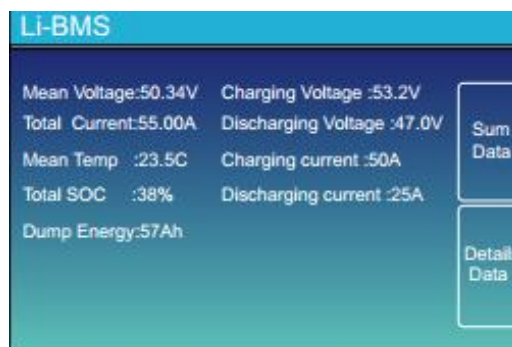
3、 GROWATT(SPF4000-12000T DVM)

(1) BMS 485 wiring port

(2) Floor plan

(3) Configuration process:

Step 1: Check whether the communication line is connected

Step 2: After power on, press and hold the ENTER button for 3 seconds to enter the setting interface, and the icon flashes. The bottom of the screen shows the following:

Step 3: Press the button to increase "001" until" 005" it displays , at this time "005 " is in a flashing state, then press the button again to enter and confirm that "005" is always on. The displayed interface is as follows:

Step 4: USE `USE` is flashing at this time, press the button `DOWN` to make the next selection, stop the selection until L1 `L1` appears, and then press ENTER `ENTER` to confirm. After confirmation, "005" `005` will automatically switch to "036" `036` display. The specific display interface is as follows:

Step 5: "L01" `L01` is flashing at this time, you can press the UP `UP` or DOWN button `DOWN` to add or subtract up and down. Know that the increase becomes "L04", press ENTER `ENTER` to confirm. At this time, "036" `036` is also flashing, press OK again. Then press the ESC `ESC` button twice to exit to complete the communication configuration. Exit and the communication is successful interface can be as follows:
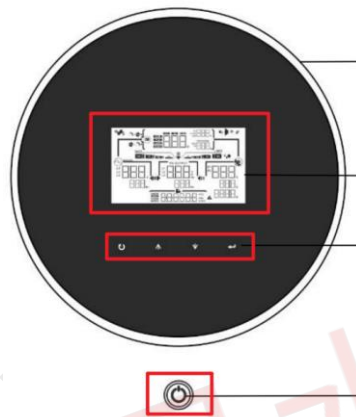
4、 VOLTRONIC (6.5KW / 8KW SOLAR INVERTER / CHARGER.)

(1)   BMS 485 wiring port

(2)   floor plan

(3)   configuration process:

Step1: Check whether the communication line is connected.

Step 2: Press the ENT ⏎   key to enter the setting interface.

Step 3: Press the page key ▲▼   to turn to item 14, select "Lib", confirm ⏎   and exit
↻ .

Step 4: Watch the LCD screen, when the "Li-ion" icon appears on the LCD display interface, it means the lithium battery mode, when the "Li-ion" icon flashes, it means the communication is successful.
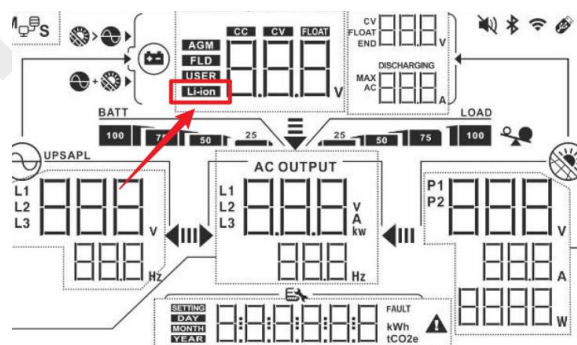
(4)   Communication abnormal alarm:

The bottom right of the screen will display 61! Icon.

		Communication lost (only available when the battery type is not setting as "AGM", "Flooded" or "User-Defined".)
6 1	⚠	• After battery is connected, communication signal is not detected for 3 minutes, buzzer will beep. After 10 minutes, inverter will stop charging and discharging to lithium battery. • Communication lost occurs after the inverter and battery is connected successfully, buzzer beeps immediately.

Remarks: Please refer to the manual for detailed operation of each brand of inverter.

5、 MEGAREVO (R8KLNA)

(1) BMS 485 wiring port

(2) floor plan

(3) configuration process:

Step1: Enter the user setting interface, the password input is: 00000; the setting interface is as follows:
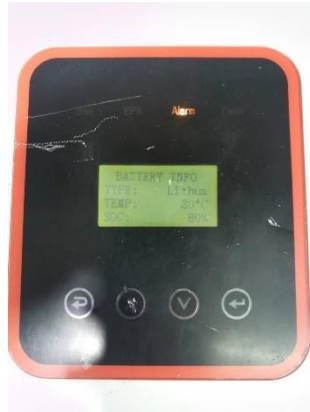

Step2: Battery type selection:

Select "BAT SETTING",————>select "BAT TYPE" ———>select "Li thum".

Step3: Communication method selection

Select "BAT COMM"————>RS485————>2.

Step4:

Exit and enter the communication success interface, as shown below:

Remarks: For detailed setting operation, please refer to the video

逆变器-锂电池包通讯设置.mp4