LUXPOWER 48100R Pytes E-Box

LUXPOWER 48100R Pytes E-Box Instructions

Contents

LUXPOWER 48100R Pytes E-Box

Specifications

- **Model:** Luxpower Inverter
- **Compatibility:** Pytes E-BOX Battery
- **Communication:** Ethernet cable
- **Battery Type:** Lithium
- **Battery Brand:** Pytes Lithium_6

Product Usage Instructions

Connect the Cables and Set the DIP Switch

1. Connect the power cables between the inverter and the battery or Busbars as per the Luxpower Battery Connector positions shown in Figure 2.1.7.1.
2. Use a standard ethernet cable to connect the Luxpower inverter to the Pytes E-BOX battery. Follow the pin assignments as shown in Figure 2.1.7.2 and 2.1.7.3.
3. Set the battery DIP switch according to the configuration in Figure 2.1.7.4.

Set the Inverter

1. After connecting the power and communication cables, access Advanced settings on the inverter LCD screen.
2. Choose the Battery type as Lithium and select the brand as Pytes Lithium_6 following the steps in Figures 2.1.7.5 to 2.1.7.9.
3. Upon successful communication between the battery and inverter, the battery information will be displayed on the screen.

Monitor System Setup
Users can monitor their inverter using a WiFi/WLAN/4G/2G dongle and view data remotely on a computer or smartphone by downloading the appropriate APP from Google Play or Apple APP store.

Connect the cables and set the DIP Switch

1. Connect the power cables between the inverter and battery or the Busbars. See Figure 2.1.7.1 to check the position of Luxpower Battery Connectors.
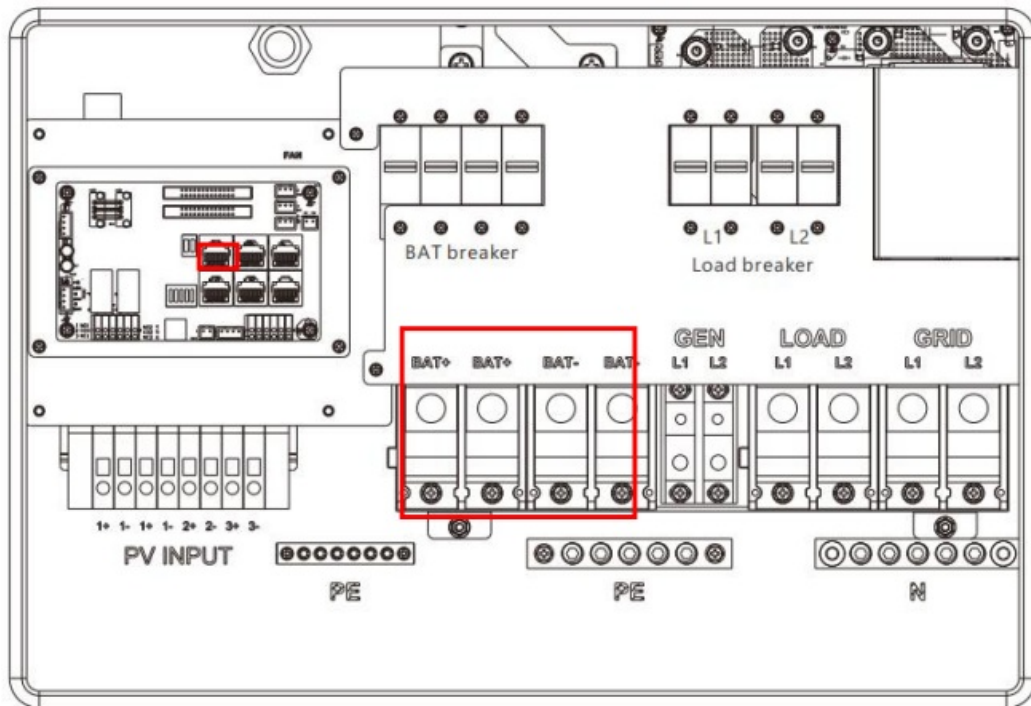

Figure 2.1.7.1 Luxpower Battery Connectors

2. A standard ethernet cable can be used for communication since the Luxpower inverter pin assignment is the same as the Pytes E-BOX battery.
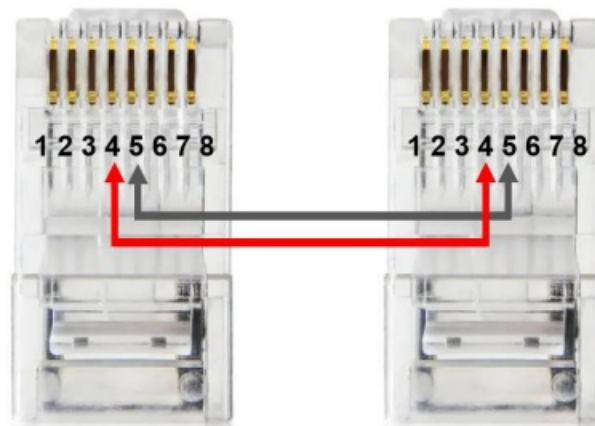

Figure 2.1.7.2 Luxpower ethernet cable

Plug in the battery end into the CAN Port of the Pytes E-BOX battery and plug in the inverter end into Luxpower BAT COM Port as shown in the Figure 2.1.7.3.
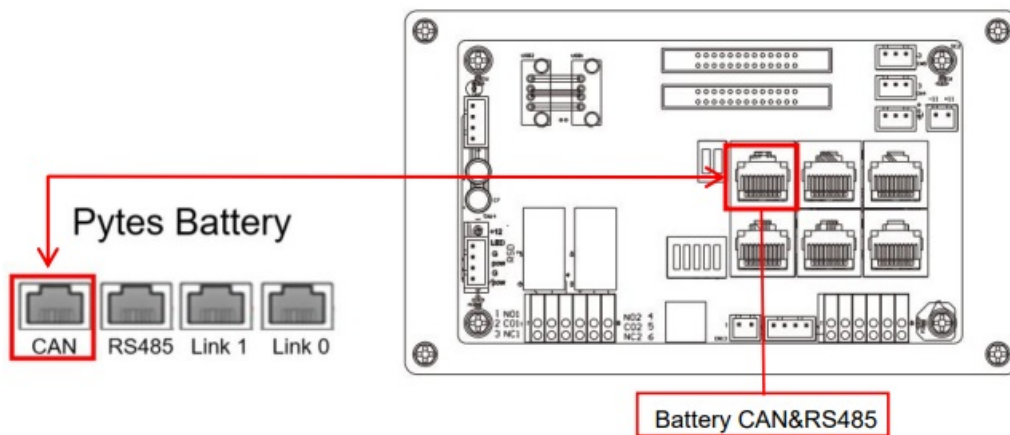
Figure 2.1.7.3 Luxpower inverter comm cable connection

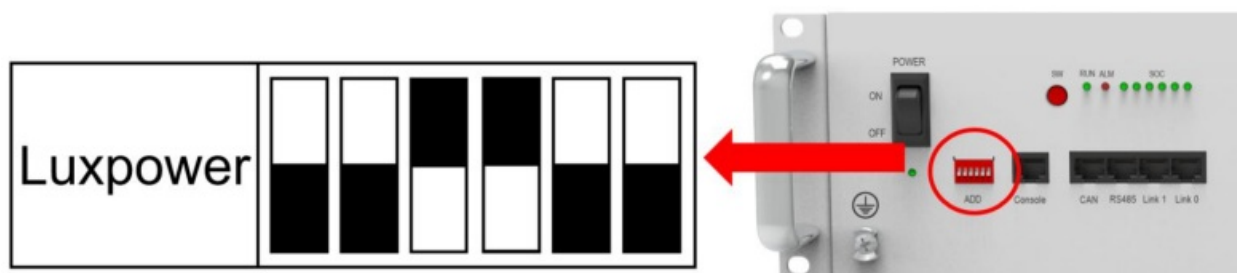3. Set the battery DIP switch as shown in the Figure 2.1.7.4

Figure 2.1.7.4 Luxpower DIP switch setting

Set the inverter

After the battery power cable and communication cable connection, users need to enter Advanced settings and choose Battery type and brand on the inverter LCD. After you choose the right battery protocol, the communication will be build in 1-2 minutes.

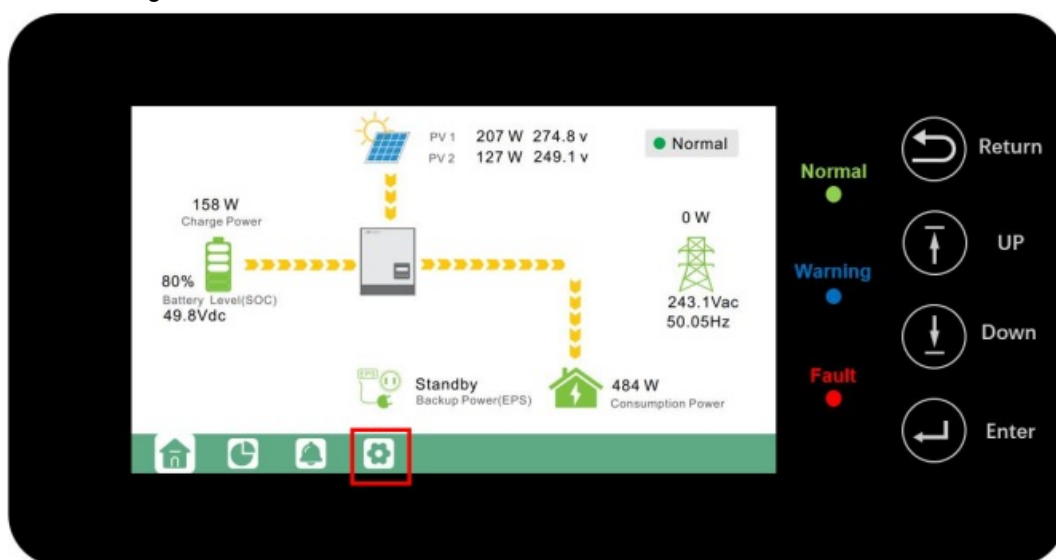**STEP 1** Touch the Setting icon of the screen.

Figure 2.1.7.5   Home page

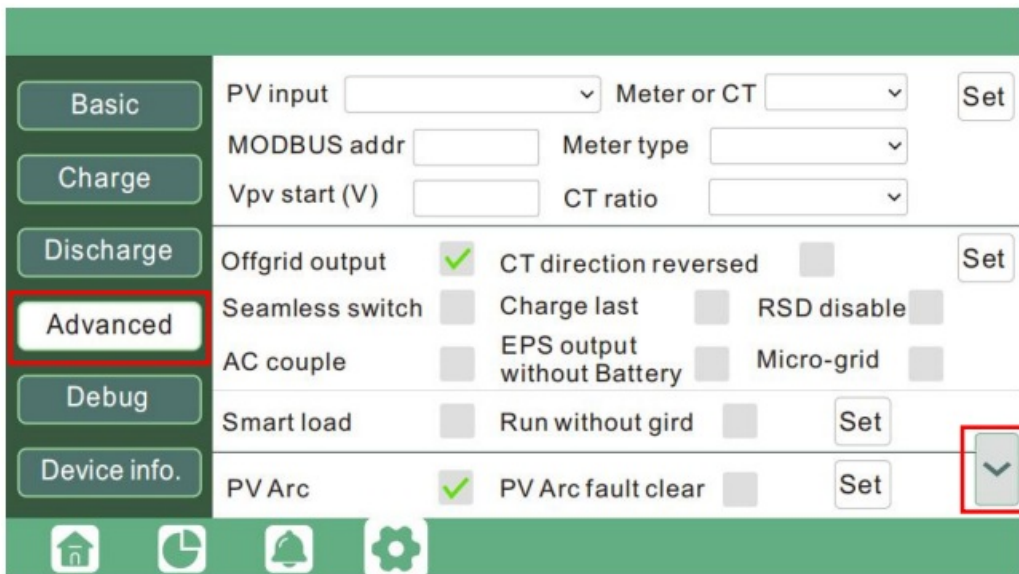**STEP 2** Touch Advanced and turn down a page , then choose 2:Lithium in Battery type.

Figure 2.1.7.6   Advanced setting page

STEP 3 Choose a Lithium brand. The password is required to select the battery brand. The password is 00000. Pytes battery should choose Lithium_6.
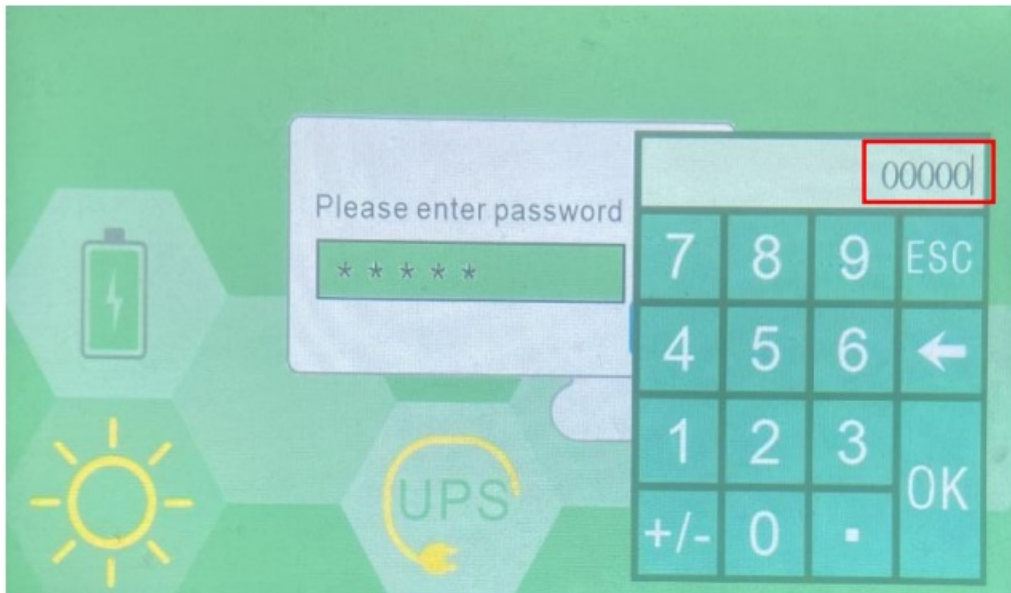

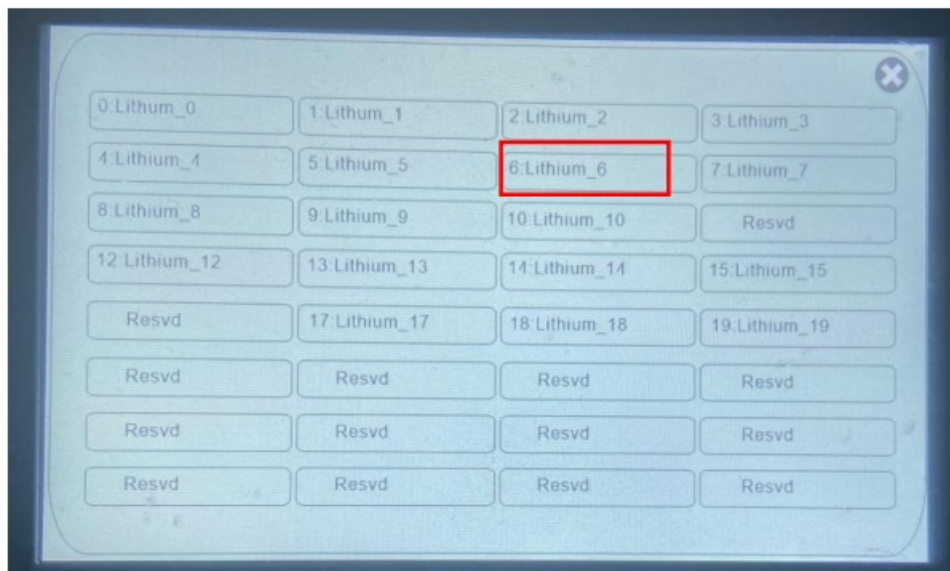Figure 2.1.7.8 password input page

Figure 2.1.7.8 password input page

Figure 2.1.7.9 Choose battery brand page(choose **Lithium_6**).

Figure 2.1.7.9 Choose battery brand page(choose Lithium_6).
STEP 4 If the battery communicates with the inverter successfully, the battery page will show the specific SOC of the battery. The home page battery icon will turn to green(if communication fails, the battery icon will turn to red).
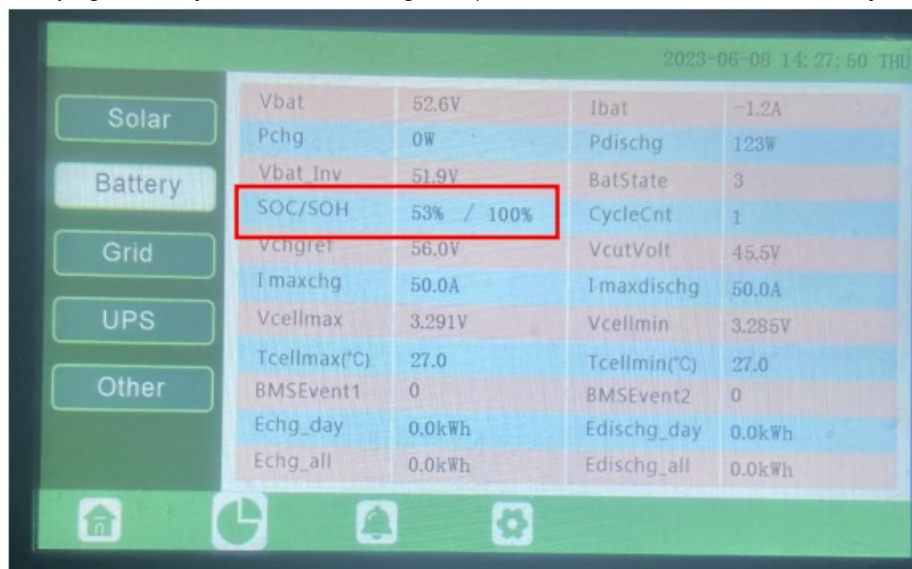

Figure 2.1.7.10   battery information page

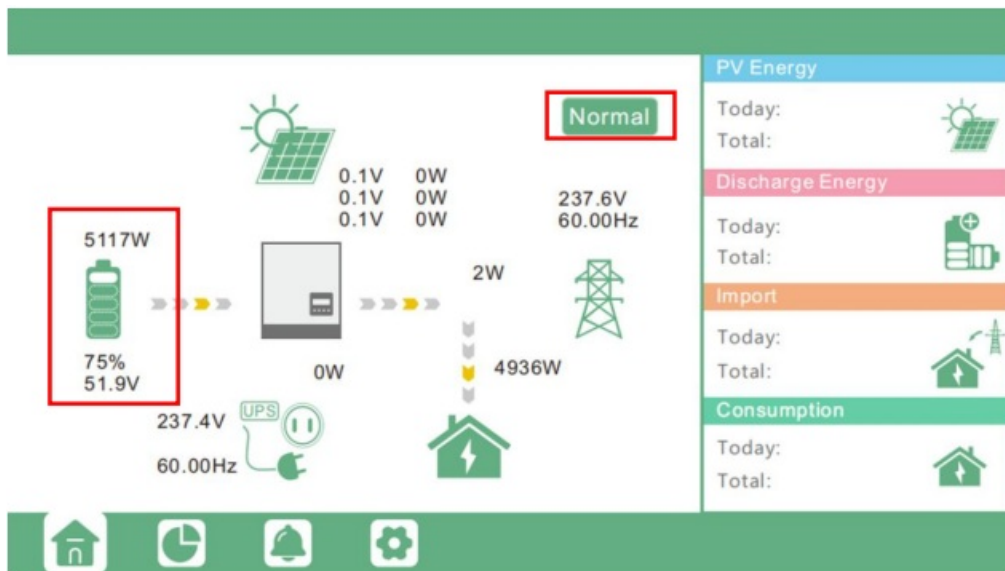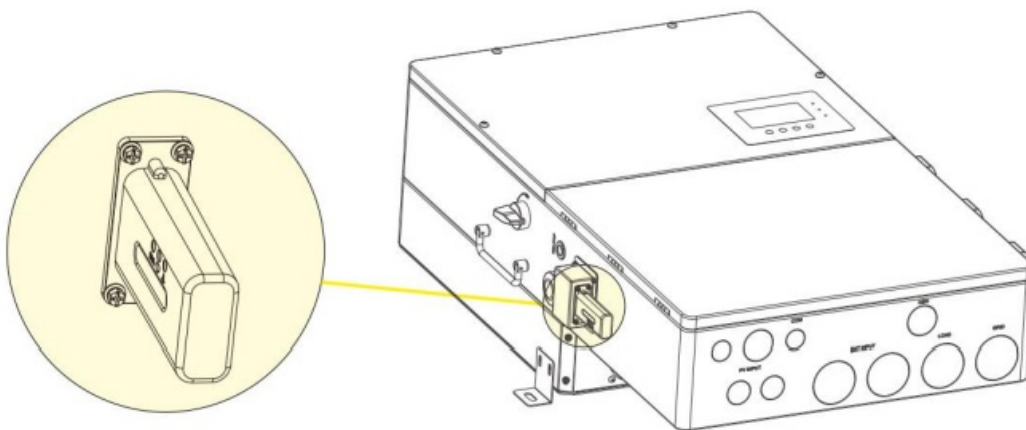Figure 2.1.7.10 battery information page

Figure 2.1.7.11 Home page

Monitor System Setup

Users can use a WiFi/ WLAN /4G /2G dongle to monitor their inverter and view the monitoring data on a computer or smartphone remotely.

To view data on a smartphone, please download the APP from the Google Play or Apple APP store, then login with your user account. Please refer to the Luxpower inverter manual for more settings.

For Android

For IOS
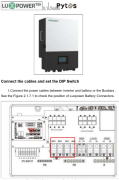
FAQ

- **How do I choose the right battery protocol?**
  - To choose the correct battery protocol, access the Advanced settings on the inverter's LCD screen and follow the steps provided in the user manual.
- **What should I do if the communication between the battery and inverter fails?**
  - If communication fails, ensure that all cables are properly connected and check the settings on both devices. Refer to the Luxpower inverter manual for troubleshooting tips.

Documents / Resources

LUXPOWER 48100R Pytes E-Box [pdf] Instructions
48100R Pytes E-Box, 48100R, Pytes E-Box, E-Box

References

- **User Manual**