

5.0kWhLithiumBattery
UserManual



GeneralInformation

Table with 2 columns: Parameter and Value. Rows include Battery Model (51.2V / 100Ah), Type of Battery (LiFePO4), Nominal Votage (51.2V), Nominal Capacity(0.2C,25℃) (100Ah), Design Capacity (5120Wh), Usable Capacity (4096Wh), Max. Charging Current/Power (66A / 3600W Max.), Max. Discharging Current/Power (66A / 3600W Max.), Operating Temperature (Charge 0℃~50℃, Discharge -10℃~50℃), Communication Interface (RS485/MODBUS), Protection Funcation (OVP/OCP/SCP/OTP), and Operating Voltage Range (46.4V~57.6V).

Dimension(L*W*H): 669*418*146(mm) Weight: 45.5±0.2Kg

BatteryRackInstallation

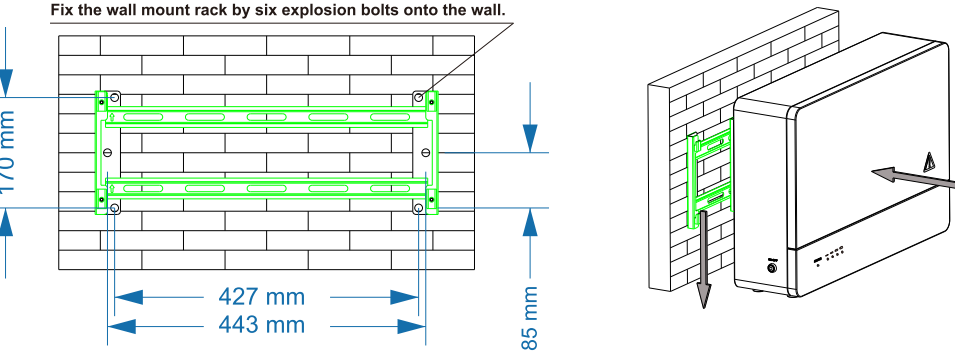
- 1. Connecting the Inverter RS485 port to inverter, connecting the battery RS485 port to other batteries using the neighboring A and B, if batteries need be parallels
- 2. Connecting output directly to inverter or in parallels with no more than four batteries
- 3. Setting up the ID

Table with 3 columns: Battery, ID, and Description. Rows show Master, Slave 1, Slave 2, Slave 3, and Slave 4 configurations with their respective ID values and descriptions.

- 4. Push the "ON/OFF" button to operate the battery system. The light of the button will light
- 5. Check the battery data and ensure the battery is operating normally.

WallMountingInstallation

- 1. The thickness of wall for battery must be not less than 120mm.
- 2. Put the wall mount rack onto the wall, and mark the position of the rack holes on the wall. And make sure the rack will be horizontal .
- 3. Drill four Φ 10 holes at the marked points , the depth is not less than 75mm.
- 4. Fix the wall mount rack by four explosion bolts onto the wall.
- 5. Hung the battery onto the rack , as below picture.



What Not To Do

- Please read and comply with the following conditions of installation and use of the battery.
- 1. DO NOT throw the battery into fire or water. DO NOT heat the battery.
- 2. DO NOT use the battery when it became hot, bulges, deforms or leaks.
- 3. DO NOT puncture the battery by nail or other sharp objects.
- 4. DO NOT throw, stamp on, impact or hit the battery.
- 5. DO NOT open or try to repair the battery when it is defective. Warranty invalid if the battery repaired or disassembled.
- 6. DO NOT use the battery with full power when the around temperature above 45 ℃.



Precautions

- 1. Batteries are half charged before shipment, please charge the battery before use or test.
- 2. If you need storage the battery for a long time, please charge and discharge the battery every three months to ensure the best performance, and the best state of charge for storage is between 50%~60%.
- 3. Please use the battery in the temperature range which defined in the manual.
- 4. Don't use the battery if it's hot, bulge, or smell abnormal and so on, and report to Lantrun. after-sale dept. immediately.



PackingList

Table with 3 columns: Item, Item Name, and Qty. Lists 12 items including Battery Module, Wall Mount Rack, Explosion Screw, RS485 Connectors, User Manual, Carton, Terminal Connectors, Connect Cables, and Termination Kits.

Shipping And Storage

Shipping

According to the provisions of the product can be used in general means of conveyance, but should avoid throwing, rain fall, strong radiation and corrosion erosion. During transportation, please prevent the collision and strong vibration.

Storage

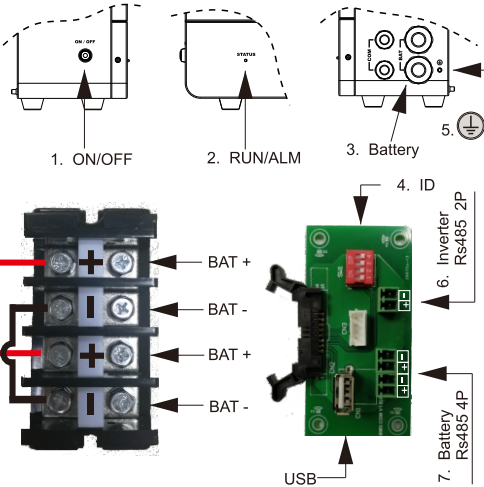
Storage device indoor, the ambient air temperature is -20C to +50C, the average monthly relative humidity of not more than 90%, the ambient air without corrosive and flammable and explosive gas; storage warehouse should be ventilated, free of alkaline, acidic substances and other corrosive gases, without a strong mechanical vibration, shock, and without strong electromagnetic field and direct sunlight.

Fault & Solution

Table with 4 columns: No., Fault, Analysis, and Solution. Lists three common faults: No DC output, No enough discharging time, and ALM always bright, cannot charge or discharge, with their respective analysis and solutions.

PortFeatures

Table with 3 columns: Item, Name, and Specification. Lists 8 features: ON/OFF (System Switch), Status (RUN/ALM), Battery (BAT + / BAT -), ID (For Parallel), Ground connection, Inverter RS485 2P (Communication Port To Inverter), Battery RS485 4P (Communication port To Parallel), and USB (FW Updating).



技术要求：105克铜版纸CMYK单面印刷，成品尺寸:290*204mm