

15KW Series

FLOOR STANDING ENERGY STORAGE



Rechargeable LiFePO4 Battery

User Manual

This manual introduces the 15Kwh Series, please read this manual before installing the battery, and follow the instructions carefully during the installation process. If you have any questions, please contact manufacturer for assistance immediately.

Product introduction	3
Product characteristics	3
Shape of the product	4
Interface Definition	5-7
Main product parameters	7
Installation	8-9
LED lights working status instruction.....	9-10
Maintenance guarantee.....	10

Product introduction

Household energy storage battery box mainly includes battery module, BMS module, output interface, etc. . It can store and release power according to the requirements of AC/DC inverter system, and support the expansion of multi-module capacity. With photovoltaic, inverter composed of household optical storage system, under the control of the inverter, the photovoltaic excess energy stored in the battery, and when the photovoltaic energy is insufficient, the stored electricity will be released to supply power to the load.

Product characteristics

1. Flexible configuration, easy installation

Modular design, free to deploy as needed

2. Ultra-high protection, safety

IP65 The level of protection, calmly deal with the outdoor environment

3. Seamless multi-mode switching

All kinds of application mode intelligent switching, seamless switching to off-grid grid blackout mode

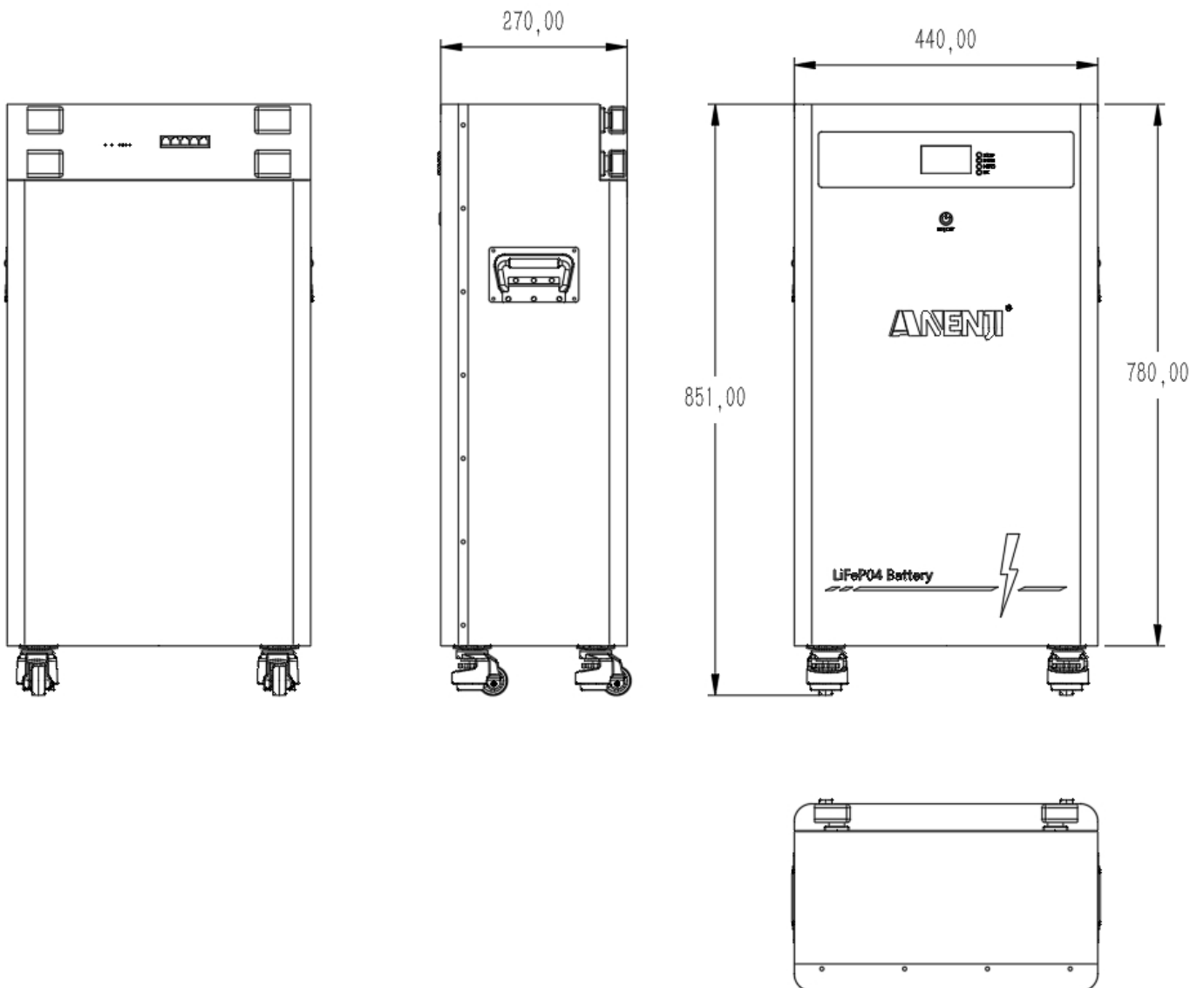
4. Remote monitoring, always watching

Humanized design of management platform, mobile phones and computers can freely login to view real-time working status

Shape of the product

The overall dimensions of the product are shown in figure 1-3

Figure 1-3 overall product dimensions



Interface Definition

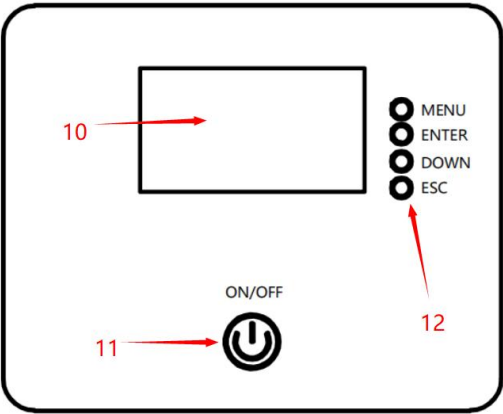
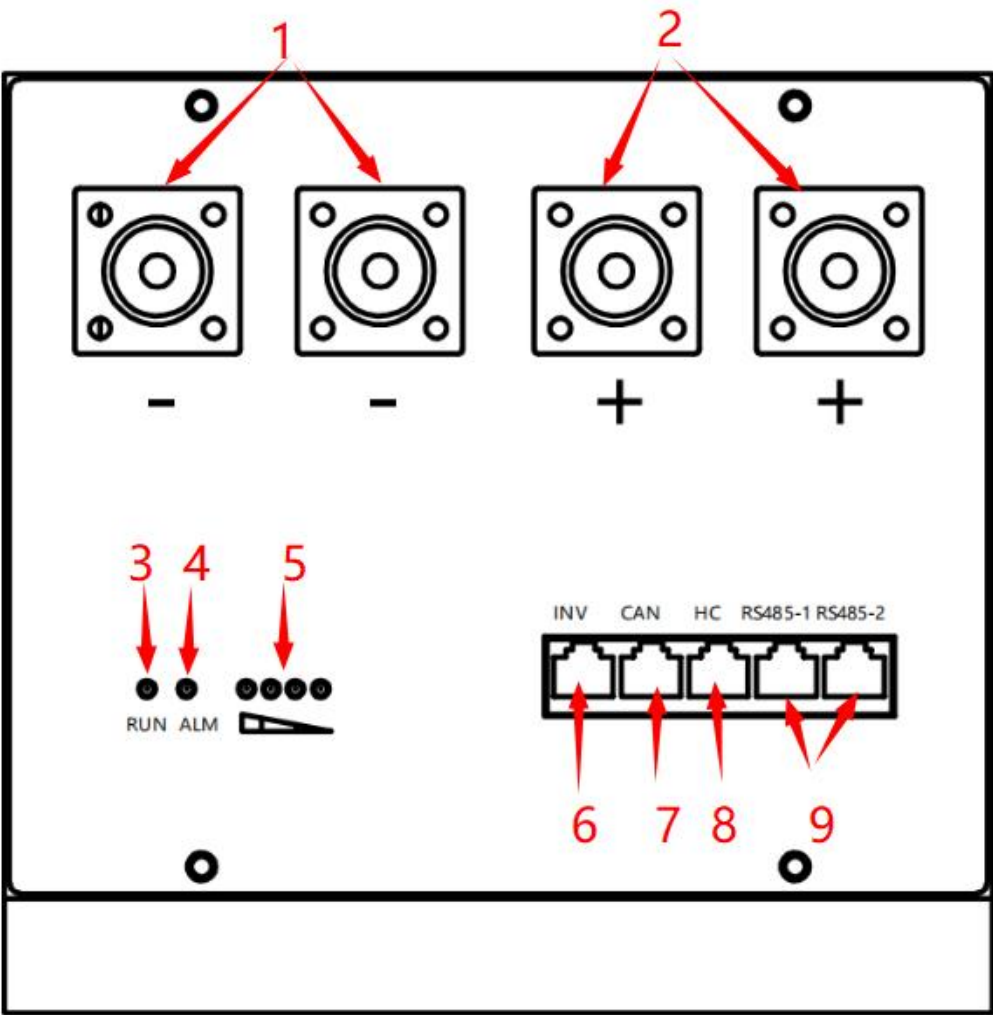


Figure 1-4 power and communication interface

Serial	name	description
1	negative	battery box negative interface
2	positive	battery box positive interface
3	status indicator	display BMS switch status
4	Warning indicaton	display battery current status
5	power indicator	display battery current
6	external RS485 communication	independent RS485 communication for communication with external inverter,inverter protocol to upload the corresponding summary battery information, the default baud rate of 9600bps.
7	external CAN communication	independent CAN communication for communication with external inverter, inverter protocol to upload the corresponding summary battery information, CAN communication default baud rate of 500 kbps
8	Upper computer communication port	The communication port for the computer to connect to the upper computer
9	RS485 communication	with parallel dual RS485 function for the battery pack parallel machine, address compatibility automatic and manual settings, the default baud rate of 9600bps

10	Display screen	Display battery parameters
11	Power switch	Open it before use
12	Display screen buttons	Check the battery parameters by pressing this button

Main product parameters

Figure 1-5 main product parameters

Serial	name	specification parameter
1	cell	LFP 3.2V/300Ah
2	cell series-parallel mode	16S1P
3	nominal capacity	300Ah
4	nominal voltage	51.2V
5	working voltage	43.2-57.6V
6	capacity	15.36kWh
7	Rated charge-discharge current	0.5C
8	cycle life	6000 cycles
9	operating temperature	Discharge: 0℃～55℃;Charging: -10℃～55℃;
10	weight	115±5Kg

Installation

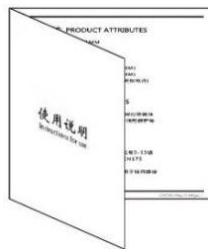
Check out the box

1. Check the product name, model and specifications, case number, case number and packaging;
2. Check whether the random accessories are complete and correct against the list of shipped accessories (as shown in figure 2-1);
3. Check product packaging to see if there is any collision damage in transit;
4. Open the outer packing of each module and check the appearance of each module to see if there is any transportation damage;



1

2



4



3

Fig. 2-1 Schematic diagram of each part shipped

Serial	name	quantity	remark
1	Battery Box	1 PC	/
2	Power line	2PCS	1 positive/ 1 negative
3	Communication cable	2 PC	/
4	Accessory bag	1 PC	Contains user manual

Table 2-1 quantity of parts shipped

LED lights working status instruction

Status	Normal/ Alarm/ Protect	RUN	ALM	LED Lights Show Battery Electricity Status						Explanation
										
Power off	Dormant	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	All Off
Stand by	Normal	Flash one time	OFF	Show battery electricity status						Stand by
	Alarm	Flash one time	Flash three times							Under voltage
Charge	Normal	OFF	OFF	Show battery electricity status The LED which one indicate highest electricity that flash two times it means full charged						The LED light which one indicate highest electricity that flash two times it means full charged, alarm LED light is off
	Alarm	OFF	Flash three times							
	Over charging protect	ON	OFF	ON	ON	ON	ON	ON	ON	All LED lights are stand by if did not connect on grid
	Temperature, Large current and Error protect	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	Stop charging

Discharge	Normal	Flash three times	OFF	Show battery electricity status						
	Alarm	Flash three times	Flash three times							Stop discharging
	Under voltage protect	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	Stop discharging
	Temperature, Large current, Reverse connection and Error protect	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	Stop discharging
Error		OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	Stop charge or discharging

Table 1-5 LED lights working status instruction

Maintenance guarantee

If the equipment breaks down, please call the customer service hotline and contact the distributor or directly with us. Thank you for your support of our products.