

Energy storage machine specification

储能一体机规格书

MODEL/型号:1800W 壁挂储能
SPEC./规格: 12.8V314AH-1800W

Prepared By/Date 编 制/日 期	Checked By/Date 审 核/日 期	Approved By/Date 批 准/日 期
2026/07/08		

Customer Approval 客户批准	Signature 确认	Date 日期
	Company Name: 公司名称:	
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Amendment Records (修正记录)				
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1.Declaration

This manual provides detailed information about the performance parameters of this product. Please read this manual carefully before operation and abide by relevant industrial safety regulations. The company shall not be held responsible for any injuries resulting from improper operation or failure to follow this manual.

Due to version upgrades or other reasons, this document may be changed at any time without prior notice. Unless otherwise agreed, this document is only a reference guide and all statements and recommendations do not constitute explicit guarantees.

声明

本手册详细介绍了本产品的性能参数。请在操作前仔细阅读本手册，并遵守相关的工业安全规定。因操作不当或未遵守本手册而导致的任何伤害，本公司概不负责。

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2. Complete machine composition 整机组成

No. 编号	Item 项目	Type 类型	Qty 数量
1	Cell 电芯	12.8V-314AH	4PCS
2	Inverter PCB 逆变器主板	EOD-1800HV01	1PCS
3	Plastic casing 外壳	Sheet Metal	1PCS

3. Inverter technical parameters（逆变器技术规格）

1	Rated power (额定功率)	1800W	逆变输出功率 Inverter output power
2	Battery (电池)	12.8V	4S1P
3	AC Input Electrical Characteristics AC 输入特性	Input Voltage Type 输入方式	单相两线（L/N 线）
		Voltage（输入电压）	AC230V
		Rated input frequency（额定输入频率）	45-65Hz
		Input Voltage Range 输入电压范围	90-280Vac +5Vac
		Maximum Input Power 最大充电功率	1500W Max
4	PV Input Electrical Characteristics PV 输入特性	Input interface 输入方式	XT90 母头
		Input Voltage Range 输入电压范围	18-110Vdc
		Maximum input Current 最大输入电流	15A max
		Maximum Input Power 最大输入功率	1200W max

Continuous the table 1 (续 表 1)

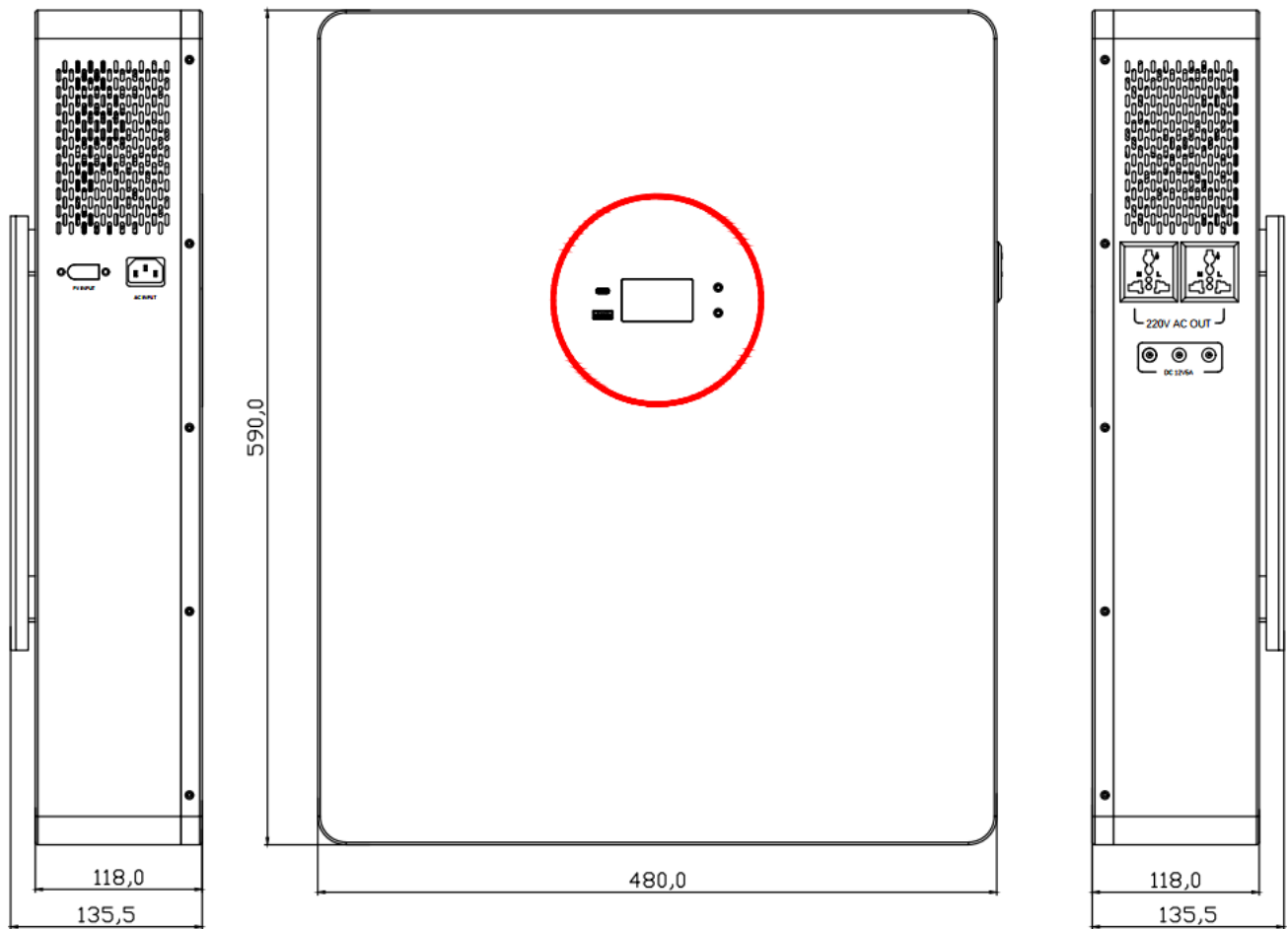
5	AC Output Electrical Characteristics AC 输出特性	Output Voltage Type 输出方式	单相两线(L/N 线)
		Rated Output Voltage 额定输出电压	230Vac $\pm$ 5Vac
		Rated input Frequency 额定输入频率	50Hz +0.5%
		Output Power Factor 输出功率因数	≥ 0.99
		Overload(过载能力)	5min @110%-120% Load 30s @120%-150% Load 2s @150%-200%Load 20ms @>200% Load
		EPS Switching Time EPS 切换时间	≤ 20 ms
6	Protection Function 保护功能	AC Input Undervoltage Protection AC 输入欠压保护 AC Input Overvoltage Protection AC 输入过压保护 Battery Undervoltage Protection 电池电压欠压保护 Battery Overvoltage Protection 电池电压过压保护 AC Output Undervoltage Protection	Stop Charging 停止充电/ Stop Discharging 停止放电
7	Protection Function 保护功能	AC 输出欠压保护 AC Output Overvoltage Protection AC 输出过压保护 AC Output Overload Protection AC 输出过载保护 AC Output Short Circuit Protection AC 输出短路保护 Over Temperature Protection 过温保护	停止放电 Stop Discharging

4.1 Appearance (外观)

The shape of the product should not be damaged, deformed, dented, and other defects affecting the market value

产品外形应该没有破损，变形，凹陷，等影响市场价值存在的缺陷

4.2 Appearance 参考外观



5. Warning(谨慎使用)

5.1 In order to ensure proper use of this product, please read the product manual carefully before use.

(为确保正确使用本产品，使用前请仔细阅读产品使用说明书)

5.2 . Handling (一体机操作)

- Do not place the machine near the source of fire. (不要把本机靠近火源)
- When connecting charging or output, please do not connect the wrong positive and negative terminals.
(连接充电或者输出时，请不要接错正负极)
- Avoid short circuit (避免短路)
- Avoid physical impact and vibration. (避免物理撞击和震动)
- Non-professional personnel do not disassemble (非专业人员请勿拆卸)
- Do not immerse in water. (不要浸泡在水中)
- Keep out of the reach of children. (放置于儿童不易接触的地方)

5.3 Electric discharge temperature (放电温度)

The battery discharge must carry on in the ambient temperature scope which this specification book stipulated.

(电池放电必须在本规格书规定的环境温度范围)

5.4 Over-discharges (过放电)

After the short time excessively discharges charges immediately cannot affect the use, but the long time excessively discharges can cause the battery the performance, battery function losing. The battery long-term has not used, has the possibility to be able to be at because of its automatic flash over characteristic certain excessively discharges the condition, for prevented excessively discharges the occurrence, the battery should maintain the certain electric quantity.

(在短时间过放电后立即充电不会影响电池的使用,但如果是长时间过放电会导致电池性能及电池功能丧失。电池长时间不使用,可能会有因它本身自动产生的电弧特性而必然的过放电情形,为防止电池过放电,电池应该保持一定的电量)

5.5 Storing the Batteries (储存电池)

The battery should store in the product specification book stipulation temperature range. If has surpasses above for six months the long time storage, suggested you should carry on additional charge to the battery。(电池应该储存在本产品规格书中规定温度范围。如果储存时间超过六个月,建议对电池进行额外充电。)

6. Battery operation instruction (电池工作指南)

6.1 Charging (充电)

Charging current: Cannot surpass the biggest charging current which in this specification book stipulated.

(充电电流:不能超过规格书上规定的最大充电电流)

Charging voltage: Does not have to surpass the highest amount which in this specification book stipulated to decide the voltage.

(充电电压:不能超过规格书上规定的最大充电电压)

Charge temperature: The battery must carry on the charge in the ambient temperature scope which this specification book stipulated.

(充电温度:电池充电必须在规格书规定环境温度范围内)

Uses the constant electric current and the constant voltage way charge, the prohibition reverse charges. If the battery positive electrode and the cathode meet instead, can damage the battery。(使用持续电流和电压方式进行充电,禁止反向充电,否则会损害电池)

6.2 Discharging current (放电电流)

The discharging current does not have to surpass this specification book stipulation the biggest discharging current, the oversized electric current electric discharge can cause the battery capacity play to reduce and to cause the battery heat.

(不要超过本规格书上规定的最大放电电流,太大的电流放电会导致容量变小及使电池发热)

6. Period of Warranty (保质期)

The period of warranty is 3 years from the date of shipment. guarantees to give a replacement in case of cells with defects proven due to manufacturing process instead of the customers abuse and misuse.

(保质期从出货之日起三年。如果是制造过程的缺陷而不是用户错用滥用造成的,本公司确保更换)

7. Other The Chemical Reaction (其它的化学反应)

Because batteries utilize a chemical reaction, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, if the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges the life expectancy of the battery may be shortened or the device in which the battery is used may be damaged by electrolyte leakage. If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

(电池是利用化学反应产生电量,电池性能会随时间变差,即使电池长时间储存而不使用。另外,各种各样的使用方法,像充电、放电及环境温度,等等不能在本规格书规定的范围时的情形,会减小电池的期望寿命,或者会使仪器设备由于电池漏液而损坏。即使充电正确,电池长时间不能再充电,那就要更换电池了。)

8.Note: Any other items which are not covered in this specification shall be agreed by both parties.

(注意:任何本产品规格书未包含的其它条款,应由双方协议确定。)

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