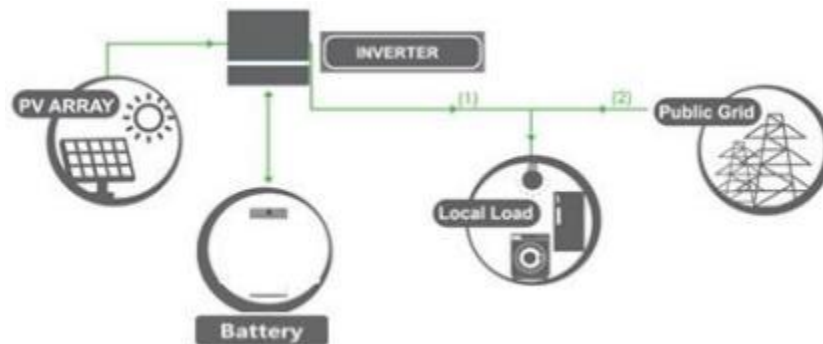


Product specification**Energy Storage Battery TB5 1 2 0 Series Specification**

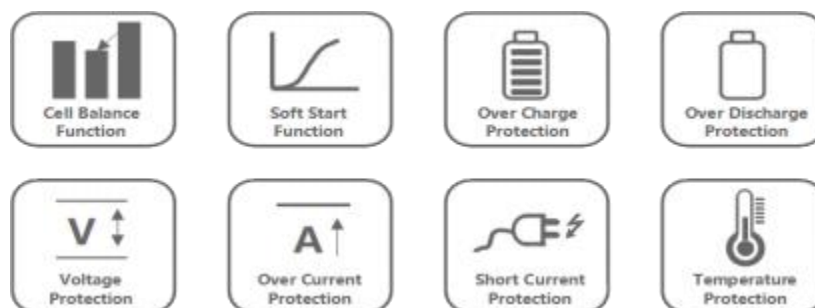
Product specification

Application

Be specially designed for multiple energy storage application scenarios including household, data center, and commercial building, bank, hospital, school, railway station, airport and telecom, etc.



Feature



Advantages

- 1 Long Design Life
- 2 Multiple Protection
- 3 Modular Design
- 4 CE Certification
- 5 Scalable & Flexible
- 6 Easy Maintenance

Product specification**HV5120-S1 Specification**

No.	Items	Specification
1	Product Name	Rechargeable Lithium Iron Phosphate Module
2	Module Model	TB5120
3	Battery Type	LFP 1P16S
4	Nominal Capacity	5.12kWh
5	Usable Capacity	4.86kWh (95% DOD)
6	Nominal Voltage	51.2V
7	Working Voltage	44.8Vdc ~58.4Vdc
8	Charging Voltage	56V
9	Max. Charge Current	25A
10	Max. Discharge Current	40A
11	Communication	RS485 , CAN
12	Storage Temperature	0°C~45°C (Recommended)
13	Storage Humidity	≤85% (RH)
14	Working Temperature	Charging: -10°C ~ 50°C Discharging: -20°C ~ 50°C
15	Working Humidity	≤95% (RH) No Condensation
16	Working Altitude	≤4000m
17	Ingress Protection	IP55

Product specification

18	Protective Class	I
19	Weight	~48kg
20	Dimension	636mm*330mm*188mm
21	Design Life	15 Years (25°C)
22	Cycle Life	> 6000 (25°C) ,60% EOL
23	Scalability	Module: Max. 8S, Max. 8 in parallel (Capacity 327.68kWh)
24	Certification	CE, IEC62619, UN38.3 (upcoming)

3.1 Folding inspection

Please check the product before installation. Make sure nothing in the package is damaged or missing,

You should receive the following items in the package:

Household energy storage battery products *1

Mounting plate *2

User manual *1

Inverter parallel communication cable *1

Battery parallel communication cable *1

Battery parallel cable *2 (Red and black*1)

Product specification

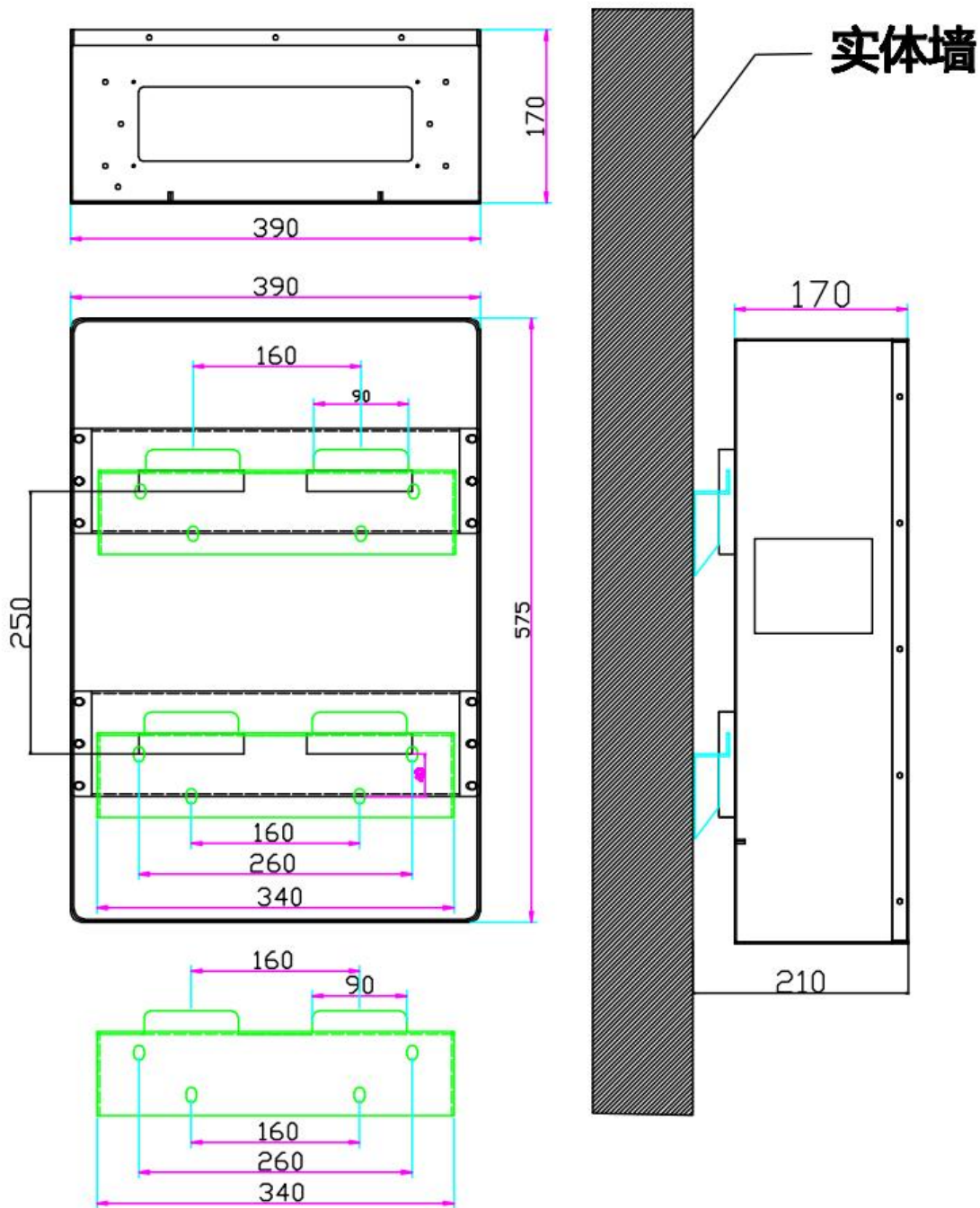
3.2 Preparation before installation

Before choosing an installation location, consider the following:

1. Do not install this product on surfaces of flammable building materials
2. Mounted on the surface of a solid material
3. Please install this energy storage battery at eye level for a more intuitive view of the LCD.
4. For heat dissipation, ensure that the distance is 20 cm from both sides and 50 cm from the bottom of the unit.
5. The ambient temperature of the installation location should be between 0 and 45 degrees Celsius to ensure optimal operation.
6. The recommended installation position should be vertically attached to the wall and kept at a safe distance from other objects and surfaces to ensure sufficient space for heat dissipation and wire collection.

Only suitable for installation on concrete or other non-combustible solid surface.

Product specification



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