

Directory

Application Scene and Value

Functional Features

Product Description

Performance & Parameters

Product Size and Weight

Product Drawing and Port Definition

Attention Matters

Revision of Product Specification

There are various application scenes of energy storage. Under different scene, the value of energy storage in the market is also different.

1.6 User-side

1.6.1 Spontaneous self use of electricity. Photovoltaic during the day, improve the level of spontaneous self use and reduce the cost of electricity.

1.6.2 The product capacity is 2KWh, and the energy storage is large.

1.6.4 Easy to install, 5 minutes can be installed, plug and play; 1.6.5 Bluetooth &WIFI integrated, easy to observe product data in real time.

Functional Features

2.1 Li-iron phosphate battery,Higher energy density and power density,safer.

2.2 Expanding equipment capacity.

2.3 Comprehensive protection: over-charge/over-discharge,over-voltage/
over-current,overload,under-voltage,short circuit,over-temperature.

2.4 Operating temperature:0℃ ~ 50℃;Humidity: 5%-95%RH no condensation (no condensation);Altitude ≤ 2000 meters, natural cooling.

Product Description

3.1 Product General Data:

Item	Basic Parameters	Model
		B2500D
1	International Protection	IP65 (Outdoor)
2	Cooling Strategy	Natural Convection
3	Standby Power	<2W (Work) /< 5mW (Sleep)
4	Dimension (with base)	350*290*160mm(L*W*H)
5	Weight	20kg
6	Altitude	≤2000m
7	Operating Temperature	0°C~50°C
8	Storage Humidity	5%~95%

3.2 Product Features:

Item	Basic Parameters	Model
		B2500D
1	Lifespan	10+ Years (55°C/77°F)
2	Certificate	EN 62109-1/IEC 62109-1
3	EMC	EN61000-6-1/-2/-3/-4

Performance & Parameters

4.1 MPPT Input:

1	Max. Input Power	500W*2
2	Max. Input Current	13.5*2 A
3	Max. PV Voltage	59V
4	MPPT Range/Nominal	12-59V

5	MPPT Tracker/Strings	2
6	Input connector type	MC4*2

4.2 DC Output:

1	Rated Power	800W
2	Max. Output Current	19.04A
3	Nominal Voltage/Range	42-50.4V
4	Output connector type	MC4*2

4.5 Battery Specification:

1	Battery Voltage Range	42V~50.4V
2	Max. Charging Voltage	50.4V
3	Charge/Discharge Current	50A
4	Battery Type	LiFeO ₄
5	Life Cycle (Times)	>6000(25°C)
6	Single Module Capacity	2240Wh
7	DoD	95%

Product Size and Weight**6.1 2D View (unit: mm tolerance: ±0.5mm)**



6.2 weight: $20 \pm 1.0\text{kg}$

Product Drawing and Port Definition



	Model	B2500-D
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO ₄
	Lifecycle	6000+ Cyclesto 80% Capacity
	Storage Temp.	14°F~131°F(-10°C~55°C)
	Operating Temp.	14°F~104°F(-10°C~40°C)
	Material	ABS + PC + Metal
	Weight	20±0.5kg
	Dimensions	350*295*175mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc
	Wireless	BT5.2 + WIFI 2.4G
MC4*2 PV INPUT	Power	500W*2 Max
	Voltage Range	12V~59V
	Max. Input Current	13.5A*2
MC4*2 OUTPUT	Power	400W*2 Max
	Voltage Range	16V~40V
	Max. Output Current	15A*2

Attention Matters

- Do not bake in high temperature or near fire, or burst in the sun;
- Do not put in water or in the rain outside;
- Do not use it in an environment outside the scope of use;
- When applying inverters, consumers should use officially certified electrical and electronic equipment;
- Do not use nails or other sharp objects to Pierce the power supply housing, do not hammer or pedal the power supply;
- Do not disassemble the power supply in any way;
- If the power supply emits peculiar smell, heat, deformation, discoloration or any other abnormal phenomenon shall not be used;
- If the power supply leaks or gives off an odor, remove it immediately from the vicinity of an open flame.
- If the device is not used for a long time, place the power supply in a cool and dry place and charge and discharge it every 3~6 months. Otherwise, the performance of the power supply will be affected and the service life of the power supply will be shortened.



Specification of storage energy power

Revision of Product Specification

The Company reserves the right to amend this product specification without prior notice.