

All in One Energy Storage System for Home



Hiwo1-5

Output power: 5kW

Battery capacity: 4.4kWh- 22kWh

Key technology

- DC-DC converter soft switching technology
- On/off-grid seamless switching control technology
- Intelligent energy management and monitoring technology
- Parallel control strategy of multiple machines without communication



Ready to use

As one package combining inverter, battery and accessories, it enables operation after the plug-in of connectors.



Compact & Aesthetic

Compact design saves your space, while slim appearance fits your home's aesthetics.



Modular design

The battery system is modular design and can be expanded to exactly meet your energy storage demand for future.



UN38.3

Specifications

Model	Hiwo1-5
System Specification	
Nominal Output Power	5kW
Capacity Range	4.4 / 8.8 / 13.2 / 17.6 / 22.0 kWh (90% DoD)
Usable Capacity Range	3.96 / 7.92 / 11.88 / 15.84 / 19.8 kWh
Dimension (W x D x H)	600 x 420 x 930 / 1130 / 1330 / 1530 / 1830 mm
Weight	108.5 / 161 / 213.5 / 266 / 318.5 kg
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP54
Warranty	5 Years Inverter Warranty, 10 Years Battery Warranty
Inverter Technical Specification	
Model	Hiwo1-INV
Max. PV Input Power	6kW
Max. PV Input Current	24A
Max. PV Input Voltage	145V
MPPT Number	1
MPPT Voltage Range	64~130
Max. Charging / Discharging Power	5kW
Rated Voltage	230V
Grid Voltage Range	170-280V(UPS) 90-280V (APL) 183-253V (VDE)
Rated Frequency	50/60Hz, Auto Detect
Phase	L+N+PE
Display	LCD
Communication	WIFI/4G
Start Up DC Voltage	48V
Humidity	15%~85% (No Condensing)
Inverter Dimension (W x D x H)	600 x 420 x 600 mm
Inverter Weight	38.5kg
Safety	EN 62109-1 & -2, EN 62477-1
EMC	IEC 61000-6-1/2/3/4
Battery Technical Specification	
Module Model	Hiwo1-BAT
Battery Cell Manufacturer	GanfengLithium
Module Capacity	4.4
Module Nominal Voltage	51.2V
Operating Temperature Range	-10°C~50°C**
Max. Modules in Parallel	5
Max. Charging / Discharging Current	40A/100A
Battery Dimension (W x D x H)	600 x 420 x 200 mm
Battery Weight	52.5kg
Cycle Life	6000cycle* 25°C, 0.5C
Safety Regulation	IEC 62109 -1&-2, IEC 62477, CE-EMC, UN38.3
Base Technical Specification	
Base Dimension (W x D x H)	600 x 420 x 130 mm
Base Weight	17.5kg

* Under specific test conditions

** When the temperature is below 0°C or above 40°C, the performance will be limited.



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