

Floor-Standing Household Energy Storage System

Model: HJD-5.21 Power: 10kwh/15kwh/20kwh

Summary

The Floor-Standing Household Energy Storage System offers a high-capacity, stable, and efficient solution for residential energy storage.



Floor-Standing Household Energy Storage System (HJD-5.21)

Product Features

High Efficiency

Long-term reliability and performance with over 6,000 charge cycles (at 80% DOD)

Enhanced Safety

Overcharge, over-discharge, and short circuit protection

Eco-friendly

LFP technology, safer and more environmentally friendly than conventional batteries

Smart Energy Management

Equipped with intelligent balancing functions for optimized performance and integration with major inverter brands

Modular Design

Offers scalable energy storage with models of different capacities (200Ah, 300Ah, 400Ah)

20-Year Designed Service Life

Built to provide long-term energy storage solutions for residential use

Technical Parameters

LFP Battery Performance Parameters

LFP Battery NO.	SY51.2-100	SY51.2-200	SY51.2-300	SY51.2-400
Capacity	100 Ah	200Ah	300Ah	400Ah
Nominal Voltage	51.2 V			
Energy	5.12KWh	10.24KWh	15.360KWh	20.48KWh
Weight	~49 kg	~90 kg	~120 kg	~173 kg
Dimensions	442*600*136 mm	442*650*230 mm	442*760*240 mm	615*870*240 mm
Storage Temp	-5°C to 35°C			
Discharge Temp	-20°C to 60°C			
Charge Temp	0°C to 45°C			

Product Configuration

Item	Specifications and models	Unit	Quantity
Battery system	Including 1 set of battery PACK, BMS system, more than 3000 cycles	SET	1

Photovoltaic storage inverter	Hybrid type, 1) Photovoltaic input power: $\geq 5\text{KW}$ and photovoltaic voltage 125V~500V, with MPPT; 2) AC voltage: 230V, frequency 50HZ/60HZ, output power 5KW; 3) Battery voltage: 48V 4) With LCD/LED display, with communication RS485;	PCS	1
	WIFI module, matching the optical storage integrated inverter for use	PCS	1
Power distribution system	/	SET	1
Accessories in the cabinet	/	SET	1
Solar panel	550W, monocrystalline silicon, single plane, N type	PIECE	6
Solar panel bracket	Suitable for the use of solar photovoltaic panels, the photovoltaic bracket is installed in the	SET	6

	inclined roof		
Direct current cable	PV1-F 1*4mm²RED	M	12
Direct current cable	PV1-F 1*4mm²BLACK	M	12
Ground lead	6mm²Yellow green ground line	M	5
Junctor	MC4 male and female Junctors, including male and female Junctor pins.	SET	2
Wooden packaging	/	SET	1

Application

Peak Shaving: Stores energy during low-cost off-peak times for use during peak hours, reducing electricity bills

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