

# Floor-Standing Household Energy Storage System

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

## Summary

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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

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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

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

### Product Configuration

| <b>Item</b>           | <b>Specifications and models</b>  | <b>Unit</b> | <b>Quantity</b> |
|-----------------------|---|-------------|-----------------|
| <b>Battery system</b> | <b>Including 1 set of battery PACK, BMS system, more than 3000 cycles</b> | <b>SET</b>  | <b>1</b>        |

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

|                             |  |            |           |
|-----------------------------|--|------------|-----------|
|                             | <b>inclined roof</b>   |            |           |
| <b>Direct current cable</b> | <b>PV1-F 1*4mm<sup>2</sup>RED</b>  | <b>M</b>   | <b>12</b> |
| <b>Direct current cable</b> | <b>PV1-F 1*4mm<sup>2</sup>BLACK</b>  | <b>M</b>   | <b>12</b> |
| <b>Ground lead</b>          | <b>6mm<sup>2</sup>Yellow green ground line</b>                               | <b>M</b>   | <b>5</b>  |
| <b>Junctor</b>              | <b>MC4 male and female Junctors, including male and female Junctor pins.</b> | <b>SET</b> | <b>2</b>  |
| <b>Wooden packaging</b>     | <b>/</b>   | <b>SET</b> | <b>1</b>  |

## Application

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

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