

PowerNest Residential Energy Storage System

PowerNest

JD-S5-1

The PowerNest Residential Energy Storage System is designed to store and manage household electricity efficiently. It provides backup power during peak demand periods, enhancing self-sufficiency and significantly reducing electricity bills.



Flexible System Solutions

The modular battery design offers easy expansion, allowing for customized energy system solutions tailored to individual user needs.

Safe and Reliable

With cell-level fire protection design, PowerNest ensures maximum safety and reliability for household use.

Smart and Convenient

Equipped with an intelligent management platform, users can remotely monitor power generation and consumption via mobile or computer, keeping energy-saving measures at their fingertips.

Easy Installation

The plug-and-play design simplifies installation, significantly saving time and effort.

System Parameter

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|---------------------|-------------------|
| Product Model: | JD-S5-1 |
| Specification: | 51.2V100Ah |
| Size: | 470mm×440mm×155mm |
| Weight: | 40kg |
| Cell Type | LiFePO4 Battery |
| Working Temperature | -20°C ~ 55°C |
| Charge Voltage | 58.4V |
| Discharge Voltage | 44.8V |
| Total Power | 5.12KWh |
| Battery Capacity | 100Ah |
| Communication Por | CAN/RS485 |
| Cycle Life | 2500 |
| Installation | Rack-mounted |