



PowerNest Residential Energy Storage System

PowerNest

JD-S5-2

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.



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.



Safe and Reliable

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



Easy Installation

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

System Parameter

Product Model:	JD-S5-2
Specification:	51.2V100Ah
Size:	638mmx460mmx190mm
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	Wall-mounted, floor-mounted, equipped with 4 universal wheels