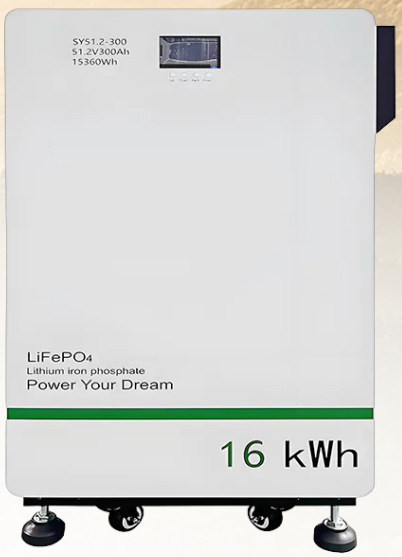
Energy storage battery for home solar systems

Model: HJ-HBL48 Power: 10kwh/15kwh/20kwh

Summary

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



Energy storage battery for home solar systems (HJ-HBL48)

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

20-Year Designed Service Life

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

Technical Parameters

LFP Battery Performance Parameters

Type Number	**HJ-HBL48280**	**HJ-HBL48314**
Battery Parameters		
Nominal Voltage	**51.2V**	
Rated Energy	**14.33KWh**	**16.07KWh**
Battery Capacity	**280AH**	**314AH**
Overcharge Voltage	**58V**	
Over Discharge Voltage	**43V**	
Maximum discharge current	**0.5C**	
Discharge Depth	**90%**	
Cell Type	**Lithium Iron Phosphate**	
Voltage Range	**43-58V**	
Cycle Life	**>6000 times**	
General Data		
Communication Interface	**CAN/RS485**	
Protection Function	**Overcharge, over discharge, short circuit, over current, over temperature, charging over current, total voltage protection, balance, etc.Protection function**	

Protection Level	**IP56**
Charging Method	**48V DC charger**
Display	**LCD**
Shell	**Metal**

Application

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

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://www.highjoule.com