

Residential Energy Storage System



Lower your power bill and protect from power outages

Lego-style modular design, easy installation and expansion to meet different requirements.

Traditional grid-tied solar systems only operate when utility power is available. Without energy storage, a grid-tied PV solar system shuts down during power outage. The addition of Haidi residential BESS can provide seamless, uninterrupted power for your house-hold during an outage while still offsetting your power bill.



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BATTERY MODULE SERIES FEATURES & BENEFITS



Long Cycle Life



Module Design



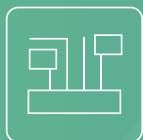
Easy For Installation



Ultra Safety



No Pollution



Support System
Parallel Connection



High Energy
Transfer Efficiency



High Charge &
Discharge Rate



High Temperature
Performance



Easy Control



Models	HD-BAT-15.4	HD-BAT-20.5	HD-BAT-25.6	HD-BAT-30.7
Physical				
Battery Type	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)
Weight	176 kg	220 kg	260 kg	302 kg
Dimension (W x D x H)	600x430x1380mm	600x430x1530mm	600x430x1680mm	600x430x1830mm
Warranty	5 Year Battery Warranty			
Electrical				
Energy Capacity	15.4 Kwh	20.5 Kwh	25.6 Kwh	30.7 Kwh
Usable Capacity	14.6 Kwh	19.5 Kwh	24.3 Kwh	29.2 Kwh
Depth of Discharge (DoD)	307.2 V	409.6 V	512 V	614.4 V
Operating Voltage Range	240 ~ 350.4 V	320~467.2 V	400~584 V	480~700.8 V
Nominal Voltage	95%			
Cycle Life	6000			
Operation				
Max. Charging Current	50 A			
Max. Discharging Current	50 A			
Operating Temperature Range	-20°C~+60°C			
Humidity	5% ≤ RH ≤ 95%			
BMS				
Modules Connection	3~ 6 in Series			
Capacity	15.4 / 20.5 / 25.6 / 30.7 kWh			
Usable Capacity	14,6/ 19,5 / 24,3 / 29,2 kWh			
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature			
Communication	CAN and RS-485 compatible			
Certification				
Transportation	UN38.3			
Safety	IEC 62619 (Cell), IEC 62619 (Pack)			

The battery packs with different voltage platforms can be customized according to customer requirements.