

# High-voltage Stackable Lithium Iron Battery

PRO Series: HVB-204V/307V/409V/512V100AH/200AH



The stacked high-voltage lithium battery series, manufactured with long-life and easy maintenance technology, provides modular and scalable energy storage systems to meet the needs of high-voltage energy storage systems for home and small industrial and commercial scenarios

- Grade A Cells with Over 6000 Times Cycle Life
- Scalability: Supports modular design Expandable Nominal Energy Up to 100kwh
- Multiple Protection: OVP/ UVP/ OCP/SCP etc
- Easy Installation and Expansion with Modular and Stackable Design
- MPPT input voltage with a wide range (90~500Vdc)
- Supports grid connected and off grid modes, with a switching time of less than 10ms (for personal computers) or 20ms (for household appliances), ensuring continuity of power supply
- Easy to install and maintain
- 10 years warranty, >15 years design life

15 Years  
Design Life



CE



MSDS

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# Technical Data

Model	HVB-204V100AH	HVB-307V100AH	HVB-409V100AH	HVB-204V200AH	HVB-307V200AH	HVB-409V200AH
Nominal Voltage	204.8V	307.2V	409.6V	204.8V	307.2V	409.6V
Nominal Capacity	100Ah			200Ah		
Energy	20.48kWh	30.72kWh	40.96kWh	40.96kWh	61.44kWh	81.92kWh
Operation Voltage	204.8V	307.2V	409.6V	204.8V	307.2V	409.6V
Max. Charging Voltage	232V	348V	464V	232V	348V	464V
Cut-off Discharge Voltage	168V	252V	336V	168V	252V	336V
Recommended charging current	50A			100A		
Max. Charging Current	50A			100A		
Max. Discharging Current	100A			200A		
Ingress Protection	IP54					
Warranty	PRO Series: 10 years / SAM Series: 5 years					
Cycle Life	PRO Series: ≥6000 Times @ 80%DOD & 0.5C, 25℃ / SMA Series: ≥3000 Times @ 80%DOD & 0.5C, 25℃					
SOC estimation	Yes					
Intelligent balance	Yes					
sleep and wake-up	Yes					
Smart Cloud Platform	Yes					
Protection Function	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage,Under-voltage, Over-high/low temperature					
Communication Protocol	CAN / RS485					
Operating Temperature	Charging: 0℃~55℃ ; Discharging: -20℃~55℃					
Storage Temperature	-30℃~60℃					
Storage Humidity	≤90% RH					
Standard Environmental Condition	Temperature: 25℃±2℃ ; Humidity: 45%~75%RH ; Atmospheric Pressure: 86KPA~106KPA					
Installation Method	Floor-standing					
Display	Touchscreen display					
Dimension (W*D*H)	450*600*1015	450*600*1315	450*600*1615	830*600*1015	830*600*1315	830*600*1615
Net Weight	Approx.63kg	Approx.102kg	Approx.160kg	Approx.140kg	Approx.230kg	Approx.348kg