

HIGH VOLTAGE ENERGY STORAGE BATTERY SYSTEM

144.7 kWh | HBOWA-144K314

- Ultra Safe LFP Cells | Excellent Thermal Stability
- 6000+ Cycles | 15+ Years Design Life
- Expandable Design | Max 16 Units Connected in Series
- Compact Integrated Rack | Quick PCS Integration
- Wide Temperature Adaptability
- Multi Communication Ports | Compatible with Mainstream Inverters



Model	HBOWA-144K314
Battery Parameter	
Battery Type	LiFePO ₄ (Lithium Iron Phosphate)
Energy Capacity	144.7kWh (460.8V 314Ah)
Nominal Voltage	460.8V
Nominal Capacity	314Ah
Module Dimension (mm)	483*245*792mm*9
Dimension RACK(mm)	1090*780*1440
Total Weight(kg)	1164
General Parameter	
Nominal Capacity (KWH)	144.7
Discharge Cut-Off Voltage (V)	396
Charge Cut-Off Voltage (V)	511.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD) ≥6000 Cycles
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS
Application Scenario	C&I ESS / Solar + Storage / Peak Shaving / Backup Power