



Outdoor Cabinet Energy Storage System

30kW/50kWh Air Cooled Type

COMPACT DESIGN

Small footprint design reduces cabinet space requirements and improves installation flexibility

FLEXIBLE INSTALLATION

Easy to install and adaptable to various mounting orientations and site conditions

WIDE COMPATIBILITY

Highly compatible with mainstream inverters and power supply systems for seamless integration

LONG CYCLE LIFE

Engineered for long service life, supporting applications such as peak shaving, energy trading, and backup power

AUTOMOTIVE-GRADE CELLS

Built with automotive-grade cells to ensure enhanced reliability, safety, and extended lifespan

SCALABLE EXPANSION

Supports multi-cabinet parallel connection, enabling flexible and efficient system capacity expansion



Compatible with mainstream inverters: 30kW Growatt/Deye/Solis/Megarevo/Afore



PRODUCT PARAMETERS

Model	Hbowa-30kW/50kWh
General Parameter	
Product	50kWh
Nominal Voltage	512V (10 module series)
Nominal Capacity	100AH
Cabinet Size(mm)	640*830*1900mm
Weight(kg)	750KG
Charge/discharge power MAX	100A
Cooling method	Air-cooled
Protection class	IP54
Type of firefighting	Aerosol
Battery Parameter	
Battery Types	51.2V-100AH
Nominal Capacity (KWh)	51KWh
Recommend Charge/Discharge Current (A)	50
Max. Charge/Discharge Current(A)	100
Communicaiton	RS485/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	10years+
Cycle Life	(0.5C/0.5C-80% D0D)>6000 times
Cooling method	Air-cooled
Certification	UN38.3/MSDS/ROHS
Inverter Parameter	
Rated power	30KW (Growatt/Deye/Solis/Megarevo/Other)
Type	Three Phase High Voltage Hybrid
Rated AC Voltage	400V
Rated frequency	50/60Hz
Overloaded	110%
Communicaiton	Ethernet/Modbus/TCP/IP
Power Factor Adjustment Range	0.8 leading to 0.8 lagging

※The manual is for reference only and is subject to actual communication.