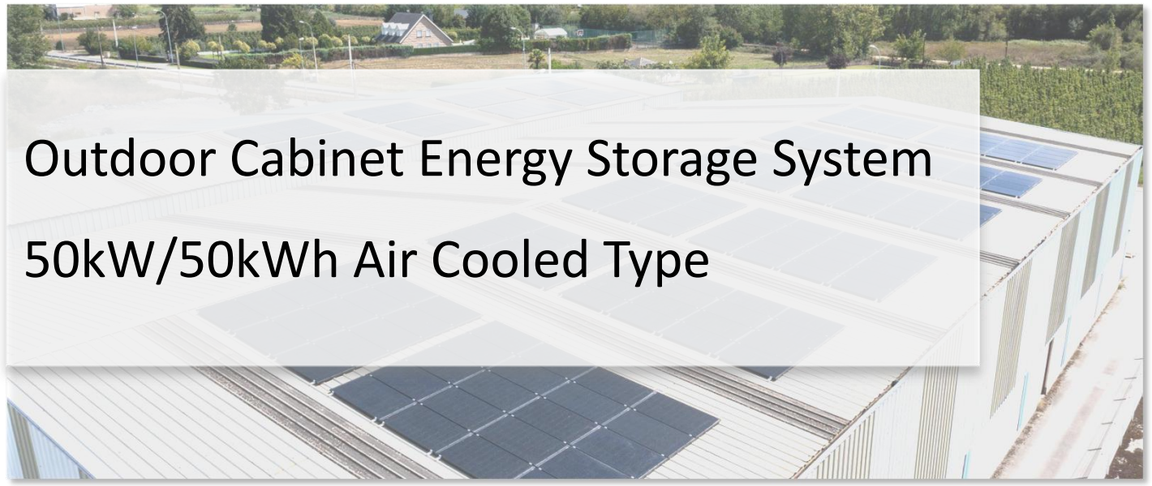


Outdoor Cabinet Energy Storage System

50kW/50kWh Air Cooled Type

HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.

HIGHLY ADAPTABLE

Strong environmental adapt ability, can withstand up to 60℃.

EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.

FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.

MORE SECURE

Real-time monitoring of PDU for better system protection.

MORE PORTABLE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.



Compatible with mainstream inverters: 50kW Deye/Growatt/Solis/Afore



PRODUCT PARAMETERS

Model	Hbowa-50kW/50kWh
Battery Parameter	
Battery rated capacity	50kWh
Battery rated voltage	512V (10 module series)
Battery voltage range	448V~576V
Battery type	Lithium Iron Phosphate battery (LFP)
Battery cell capacity	100Ah
Series of Battery	1P*16S*10S
Maximum charge and discharge current	50A
Inverter Parameter	
Inverter	Deye/Growatt/Solis/Afore
Grid type	Three-Phase four-Wire
Rated charging and discharging power (kw)	50kW
Rated grid voltage (V)	AC380
Rated current (A)	76A
Rated AC frequency	50/60Hz
Total distortion rate of current harmonics	＜3% (Rated power)
Power Factor	1(Ahead of schedule) ~1(Lag)
General Parameter	
Degree of protection	IP54
System efficiency	≥90%
Relative humidity	0 ~ 95% (no condensation)
Noise	≤75dB
Operating temperature range (℃)	-20~50℃
Cooling mode	Air cooling (refrigeration, ventilation, heating)
Fire protection system	Integrated
Altitude	<2000
Communication interface	RS485, CAN
Size (W * D * H)	780*640*2000mm
Weight (approx.)	625kg

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