



Outdoor Cabinet Energy Storage System

100kW/232kWh Liquid Cooled Type

125kW/261kWh Liquid Cooled Type

- PV energy storage and charging
- Backup power for data centers and communication base stations
- Islands, border posts, and other isolated power areas
- Public power distribution areas

High Integration

System-level product integration including energy storage battery, PCS, power distribution, thermal management, fire protection, water leakage and door status detection, as well as monitoring and communication systems — providing comprehensive control over system operation and safety.

Excellent Protection

Patented outdoor cabinet design with optimized cooling air duct ensures superior protection against dust and rain. Front and rear access doors facilitate on-site maintenance and allow multiple systems to be installed side-by-side, reducing overall footprint.

Space Efficiency

Adopts an embedded door-mounted integrated air conditioner without occupying internal cabinet space, improving usable volume inside the cabinet. The top structure provides better integrity and waterproof performance.



Versatile Functionality

Standardized modular design with menu-based function configuration. Optional modules such as PV charging, on/off-grid transfer, and power-frequency transformer can be added to form an integrated solar-storage system cabinet for microgrid applications.

Flexible Parallel Operation

Equipped with patented Virtual Synchronous Generator (VSG) technology, supporting communication-free long-distance parallel operation and seamless switching between on-grid and off-grid modes.

Intelligent Management

Local control screen enables real-time system monitoring, energy management strategy setting, and remote equipment upgrade for smart operation and maintenance.

PRODUCT PARAMETERS

Model	Hbowa-100TS (DC100) (232kWh)	Hbowa-125TS (DC100) (261kWh)
Battery Parameter		
Battery rated capacity	232kWh	261kWh
Battery rated voltage	832V	
Battery voltage range	728V~936V	
Battery type	Lithium Iron Phosphate battery (LFP)	
Battery cell capacity	280Ah	314Ah
Cell Capacity	1P*52S*5S	1P*52S*5S
Max.charging/discharging power	0.5P	
Max.charge/discharge current	140A	157A
Photovoltaic Parameter		
Rated power	100kW	
PV Open Circuit Voltage Range	250~708V	
PV Max. Current	160A*2	
MPPT quantity	2	
AC Parameter		
Rated AC power	100kW	125kW
Rated AC current	180A	
Rated AC voltage	400V, 3W+N+PE/3W+PE	
Rated AC frequency	50/60Hz	
THDI	< 3% (Rated power)	
Power Factor	-1 leading to +1 lagging	
THDU	< 3% (Linear Load)	
General Parameter		
Degree of protection	IP54	IP55
Protective Class	I	
Isolation mode	No-Isolation (Adding isolation transformer is optional)	
Shutdown self-discharge	< 100W (Without transformer)	< 0.1% Rated power(Without transformer)
Display	LCD	
Relative humidity	0 ~ 95% (no condensation)	
Noise	< 78dB	
Ambient temperature	-25°C to +60°C(with derating at temperatures above 45°C)	
Cooling mode	Liquid-cooled	
Altitude	3000m (> 2000m reduction)	
Communication interface	CAN/Ethernet / 485	
Size (W * D * H)	1600*1350*2300mm	
Weight (approx.)	3025kg	3330kg

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