

COMMERCIAL & INDUSTRIAL

Wing 261

C&I energy storage cabinet

A 125 kW / 261 kWh liquid-cooled energy storage cabinet with an integrated bidirectional converter for industrial and commercial sites.

125 kW

RATED POWER

261 kWh

RATED ENERGY

88%

SYSTEM EFFICIENCY

Liquid

COOLING



Full specs: blazarenergy.io/products/wing-261

An all-in-one AC cabinet that combines five liquid-cooled LFP battery packs (1P260S, 832 V nominal), a 125 kW bidirectional converter and built-in BMS and EMS. It switches seamlessly between grid-connected and off-grid operation and outputs 340-400 V three-phase (3L/N/PE) at 50 Hz. It suits industrial sites, commercial centers, residential complexes and solar canopy EV charging.

KEY ADVANTAGES



Liquid cooling

Liquid cooling keeps the cell-to-cell temperature difference at or below 3 °C, supporting cycle life, operating stability and high power density operation.



High power, wide voltage, high efficiency

125 kW rated and 137.5 kW maximum output, 670-949 V battery voltage range and 340-400 V AC output for a range of grids and loads. Maximum efficiency is 98.6% and system efficiency is 88%.



Grid compliance

Designed to Chinese grid connection standards for energy storage, including GB/T 34120 and GB/T 36775, and tested to the IEC 61000 series for electromagnetic compatibility.



Remote management

WLAN, app, Wi-Fi, 4G, LAN and Bluetooth connectivity for cloud monitoring, strategy optimization and fault warnings.

FEATURES

- ✓ **Battery system**
Five liquid-cooled battery packs (1P52S each) connected in series for a 1P260S assembly with a nominal voltage of 832 V.
- ✓ **Thermal management**
Liquid circulation with an intelligent temperature control strategy for stable operation in all weather conditions.
- ✓ **PCS unit**
Integrated 125 kW bidirectional converter with seamless switching between grid-connected and off-grid operation.
- ✓ **Management system**
Built-in BMS and EMS with multi-protocol communication and cloud management.

APPLICATIONS

High-power industrial sites

Residential complexes

Solar canopy EV charging

Commercial centers

Technical specifications

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SYSTEM	
Product model	XC-CWC/261/AC
Rated energy capacity	261 kWh
Rated output power	125 kW
System efficiency	88%

BATTERY	
Battery type	LFP (lithium iron phosphate)
Battery grouping	1P260S (5 battery packs in series, 52 cells in series per pack)
Number of battery clusters	1 cluster (system integration)
Nominal DC voltage	832 V (260 cells × 3.2 V)
Battery voltage range	670-949 V
Maximum charge/discharge current	188 A
Maximum charge/discharge power	137.5 kW

POWER CONVERSION	
Maximum output power	137.5 kW
Output voltage range	340-400 V (3L/N/PE)
Output frequency	50 Hz
Maximum output current	158.5 A
Power factor	Adjustable, -0.8 to +0.8
Total harmonic distortion (THDi)	< 3%
Maximum efficiency	98.6%

THERMAL MANAGEMENT & SAFETY	
Cooling method	Liquid cooling
Fire protection system	Aerosol fire extinguishing (pack level)

COMMUNICATION & CONTROL	
Human-machine interface	LED display; WLAN + app remote control
Communication interface	Wi-Fi, 4G, LAN, Bluetooth
Communication protocol	Modbus RTU, Modbus TCP

ENVIRONMENT	
Operating temperature	-25 °C to +35 °C
Operating humidity	5-95% (non-condensing)
Operating altitude	≤4,000 m (derating above 3,000 m)

MECHANICAL	
Dimensions (W × H × D)	1,000 × 2,300 × 1,400 mm
Protection level	IP55 (battery compartment)

STANDARDS AND CERTIFICATIONS

GB/T 34120

GB/T 36775

GB/T 34313

GB/T 34133

IEC 61000 series

Specifications are based on manufacturer test data and may change without notice. Standards and certifications refer to the manufacturer's test reports, available on request. The final configuration, performance and warranty terms are confirmed in each project proposal.

Let's size the right system for your site.

Battery storage, solar and energy services across Israel, Europe and Latin America.

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