

Aqua

BILLION

C & I Energy Storage Cabinet

261 kWh (314 Ah)



Purpose-built battery cabinet for C&I applications. Compatible with industry-standard voltages below 1,000 Vdc, it integrates flexibly with existing PCS systems to rapidly build cost-effective energy storage solutions.



Active Safety

- Module-level & System-level fire detection and suppression to enhance product safety.
- Battery pack IP67 protection; system IP54 protection.



Compact & Flexible

- Modular design shortens development/deployment time and reduces cost.
- Standard 1,000 Vdc interface for easy integration with third-party PCS systems.
- Modular battery cabinet design, scalable to up to 10 battery systems in parallel (external combiner cabinet required).



Smart & Efficient

- Equipped with an Active-Balancing BMS to improve cell consistency and extend battery cycle life.
- Liquid-cooling thermal management maintains optimal battery temperature.

BILLION Watts

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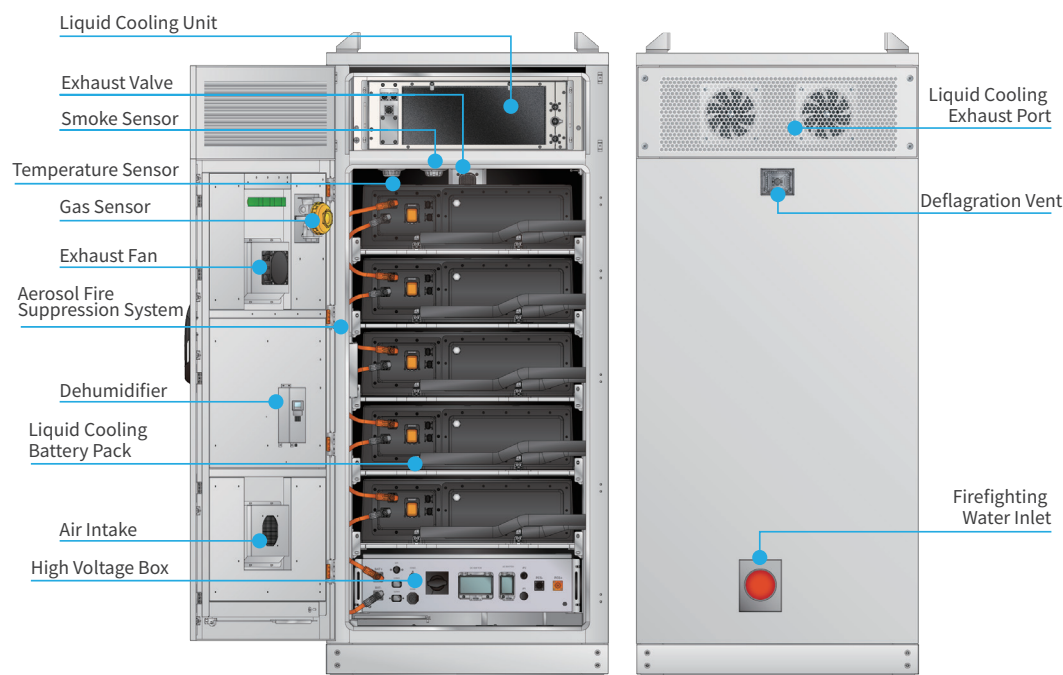
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Product Specifications

Battery		
Rated Energy		261kWh
Nominal Voltage		832Vdc
Voltage Range		728Vdc~936Vdc
Battery Configuration		1P260S
Max Charge/Discharge Current		180A
Self-discharge Rate		≤ 3% per month
Battery Energy Efficiency		≥ 94%
Charging Temperature Range		0℃~+55℃
Discharging Temperature Range		-20℃~+55℃
Cooling Method		Liquid Cooling
SOC Estimation Accuracy		≤5%

Specifications		
Max Conversion Efficiency		≥ 87%
Communication Interface		RJ45
Communication Protocol		Modbus TCP、CAN bus
Operating Temperature		-30℃~60℃
Operating Humidity		0% ~95% (non-condensing)
Storage Temperature		-20~35℃
Protection		IP54
Corrosion Category		C5
Altitude		3,000m
Fire Protection System		Temperature, Smoke, and Combustible Gas Detection; Aerosol Fire Suppression
Battery Cabinet Dimensions		998x1,310x2,200mm (W*D*H)
Battery Cabinet Weight		2,500 Kg± 20kg
Compliance Standards		IEC 62619、IEC 60730、UN38.3

Component Functional Diagram



Functional Block Diagram

