Aqua

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 Electric Co., Ltd.

8F, No.192, Sec. 2, Zhongxing Rd., Xindian Dist., New Taipei City 23146, Taiwan

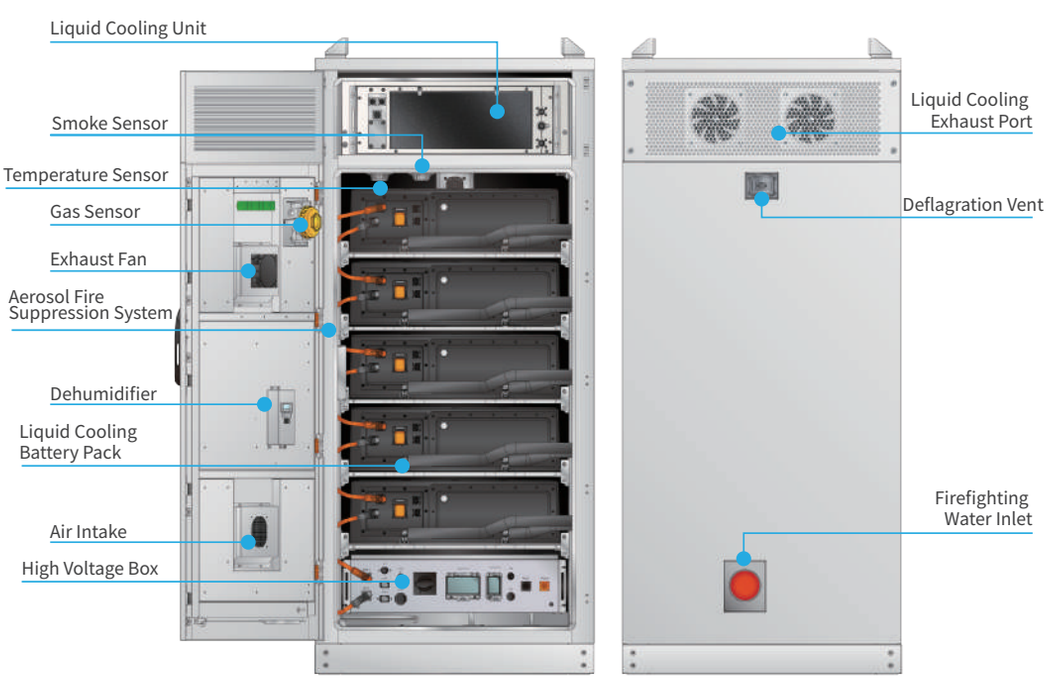
+886-2-2914-5665 power@billion.com

Website Facebook LinkedIN

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°C~+50 °C
Discharging Temperature Range	-20 °C~+50 °C
Cooling Method	Liquid Cooling
SOC Estimation Accuracy	≦5%
Specifications	
Communication Interface	RJ45
Communication Protocol	Modbus TCP、CAN bus
Operating Temperature	-30°C~60°C
Operating Humidity	0% ~95% (non-condensing)
Storage Temperature	-20~35°C
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
Certification	IEC62619、CNS62619、IEC60730-1、UN38.3

Component Functional Diagram



Functional Block Diagram