

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

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



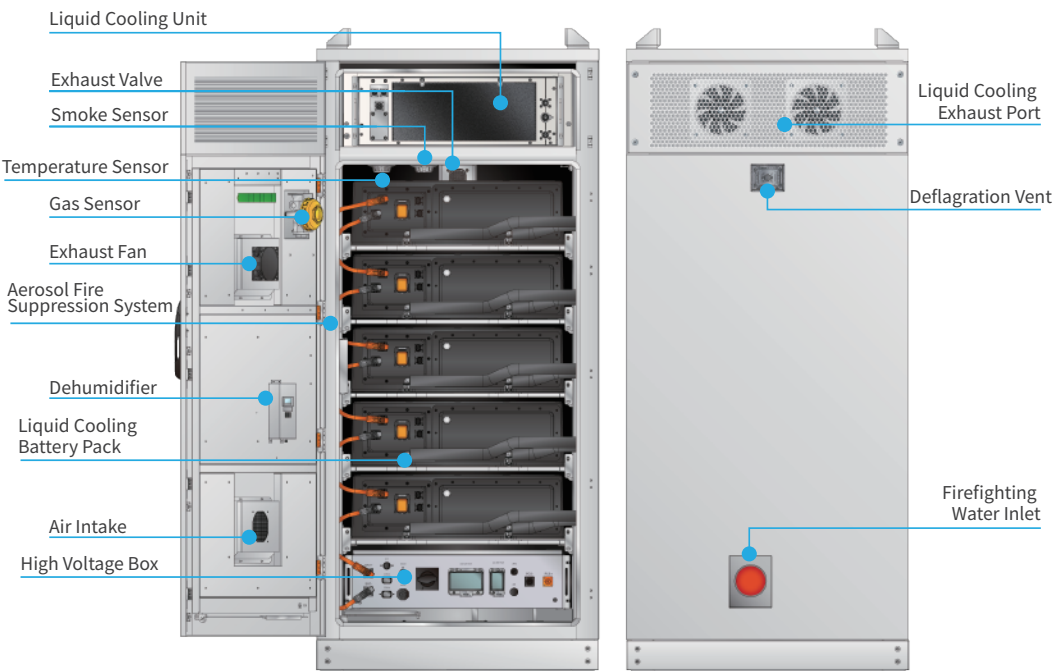
LinkedIn

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℃~+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

