

BAT Series

112.6kWh | C&I Battery System

GoodWe's BAT Series high-voltage lithium batteries, available in 112.6kWh capacity, are specifically designed for small to medium-sized commercial and industrial (C&I) applications.

Paired with GoodWe ET hybrid inverters, the BAT 112.6kWh battery system provides a compact, easy-to-install, and high-performance turnkey energy storage solution. This powerful system delivers efficient energy backup, peak shaving, and optimized load management. Additionally, it supports parallel connections of up to 4 clusters, enabling expansion to 450.4kWh to meet growing energy storage demands.



Flexible & Adaptable Applications

- 0.9C/1.1C rated battery @Max. Charge/ Discharge
- Support parallel connection for easy system expansion



Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Aerosol-based fire suppression system
- Long cycle life, >6000 times



Friendly & Thoughtful Design

- Highly integrated cabinet for easy transportation and installation
- Modular design for easier O&M



Smart Control & Monitoring

- Remote monitoring & updates
- Smart energy management system

| Technical Data | | GW112.6-BAT-AC-G10 |
|--|--|--------------------|
| Battery System | | |
| Cell Type | LFP (LiFePO4) | |
| Cell Capacity (Ah) | 100 | |
| Rated Capacity (Ah) | 200 | |
| Pack Type / model | GW10.2-PACK-ACI-G10 | |
| Pack Nominal Energy (kWh) | 10.24 | |
| Pack Configuration | 2P176S | |
| Pack Weight (kg) | <90 | |
| Number of Packs | 11 | |
| Nominal Energy (kWh) | 112.6 | |
| Usable Energy (kWh) ¹ | 110 | |
| Nominal Voltage (V) | 563.2 | |
| Operating Voltage Range (V) | 505.12 ~ 635.36 | |
| Charging Operating Temperature Range (°C) | -20 ~ +55 | |
| Discharging Operating Temperature Range (°C) | -20 ~ +55 | |
| Max. Charge / Discharge Current (A) ² | 180 / 220 | |
| Max. Charge / Discharge Rate ² | 0.9C / 1.1C | |
| Max. Charge / Discharge Power (kW) ² | 101.3 / 123.9 | |
| Cycle Life | 6000 (25 ± 2°C, 0.5C, 90%DOD, 70%EOL) | |
| Depth of Discharge | 100% | |
| Efficiency | | |
| Round-trip Efficiency | 96%@100%DOD, 0.2C, 25 ± 2°C | |
| General Data | | |
| Operating Temperature Range (°C) | -20 ~ +55 | |
| Storage Temperature (°C) | +35 ~ +45 (<6 Months); -20 ~ +35 (<1 Year) | |
| Relative Humidity | 0 ~ 100% (Condensationless) | |
| Max. Operating Altitude (m) | 4000 | |
| Cooling Method | Air Conditioner | |
| User Interface | LED | |
| Communication | CAN (RS485 Optional) | |
| Weight (kg) | <1400 | |
| Dimension (W × H × D mm) | 1055 × 2000 × 1055 | |
| Ingress Protection Rating | IP55 | |
| Anti-corrosion Class | C4 (C5-M Optional) | |
| Fire Safety Equipment ³ | Aerosol (Pack & Cabinet Level) | |
| Certification⁴ | | |
| Safety Regulation | IEC62619 / IEC63056 / IEC60730 / IEC62477 / VDE2510 / ISO13849 IEC62040 / N140 / EU 2023 / 1542 / UN38.3 | |
| EMC | IEC / EN61000-6-1 / 2 / 3 / 4 | |

*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ± 2°C for battery system at beginning life. System Usable Energy may vary with system configuration.
 *2: Actual Dis- / Charge Current and power derating will occur related to Cell Temperature and SOC. And, Max C-rate continuous time is affected by SOC, Cell Temperature, Atmosphere environment temperature.
 *3: Aerosol (Cabinet Level) before May 30th, Aerosol (Pack & Cabinet Level) after May 30th.
 *4: Not all certifications & standards listed, check the official website for detail.
 *: Please visit GoodWe website for the latest certificates.