GOODWE

# Battery system for outdoor C&I energy storage applications

- Flexible and scalable C&I applications
- Uninterrupted power supply
- All in one integrated cabinet design
- Highest safety standards including aerosol-based fire suppression

Paired with GoodWe ET hybrid inverters and the Static Transfer Switch (STS) box, BAT-C high-voltage lithium battery system is available in 61.4kWh and 112.6kWh capacity and offers a scalable, compact, and easy-to-install storage solution for C&I applications. This powerful combination enables efficient energy backup, peak shaving, and optimized load management. BAT offers industry leading safety features such as aeroso based fire suppression at both module and battery level, LFP technology with high cycle stability and long cycle life. With effective temperature management to enable outdoor operation across different climate zones, this all-in-one energy storage solution is a great fit for medium and large C&I scenarios, including industrial parks, agricultural and commercial complexes. Additionally, BAT supports parallel connections of up to 4 clusters, enabling flexible configurations and expansion to 450.4kWh to meet growing energy storage demands.




- Advanced 6-Layer safety protection
- Support Continuous 0.9C charging & 1.1C discharging
- Support 4 units in parallel up to 450kWh

**BAT-C Series** C&I Battery System I 60/112.6kWh **EMEA**

# BAT-C Series

GOODWE

| Technical Data | GW61.4-BAT-AC-G10 | 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 | 2P96S | 2P176S |
| Pack Weight (kg) | <90 | |
| Number of Packs | 6 | 11 |
| Nominal Energy (kWh) | 61.4 | 112.6 |
| Usable Energy (kWh)*1 | 60 | 110 |
| Nominal Voltage (V) | 307.2 | 563.2 |
| Operating Voltage Range (V) | 275.52 ~ 346.56 | 505.12 ~ 635.36 |
| Charging Operating Temperature Range (°C) | -20 ~ +55 | |
| Discharging Operating Temperature Range (°C) | -20 ~ +55 | |
| Max. Charge / Disharge Current (A)*2 | 180 / 220 | |
| Max. Charge / Discharge Rate*2 | 0.9C / 1.1C | |
| Max. Charge / Discharge Power (kW)*2 | 55.2 / 67.5 | 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) | <950 | <1400 |
| Dimension (W × H × D mm) | 1055 × 2000 × 1055 | |
| Ingress Protection Rating | IP55 | |
| Anti-corrosion Class | C4 (C5-M Optional) | |
| Fire Safety Equipment | Aerosol (Pack & Cabinet Level) | |
| **Certification*3** | | |
| 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: Not all certifications & standards listed, check the official website for detail.
*: Please visit GoodWe website for the latest certificates.

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This datasheet provides information about products offered in the EMEA region.