

BAT Series

112.6kWh I 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

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GOODWE

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 / Disharge 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)
Certification*4	
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.

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