

# GOODWE

## BAT Series

### 102.4/112.6kWh | C&I Battery System

GoodWe's BAT Series high-voltage lithium batteries, available in 102.4kWh and 112.6kWh capacities, are specifically designed for small to medium-sized commercial and industrial (C&I) applications.

Paired with GoodWe ET hybrid inverters, the BAT 102.4/112.6kWh 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.



#### Flexible & Adaptable Applications

- Max. Continuous 0.9C charging & 1.1C discharging
- Support 4 units in parallel, scaling up to 450kWh



#### Superb Safety & Reliability

- Pack-level humidity monitoring and automatic dehumidification
- Aerosol-based fire suppression system at pack - and cabinet-level



#### Friendly & Thoughtful Design

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



#### Smart Control & Monitoring

- Remote monitoring & updates
- Cloud-based battery diagnosis and health prediction

Technical Data		GW102.4-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	2P160S	2P176S	
Pack Weight (kg)	<90		
Number of Packs	10	11	
Nominal Energy (kWh)	102.4	112.6	
Usable Energy (kWh) <sup>*1</sup>	100	110	
Nominal Voltage (V)	512.0	563.2	
Operating Voltage Range (V)	459.2 ~ 577.6	505.12 ~ 635.36	
Charging Operating Temperature Range (°C)	-20 ~ +55		
Discharging Operating Temperature Range (°C)	-20 ~ +55		
Max. Charge / Discharge Current (A) <sup>*2</sup>	180 / 220		
Max. Charge / Discharge Rate <sup>*2</sup>	0.9C / 1.1C		
Max. Charge / Discharge Power (kW) <sup>*2</sup>	92.1 / 112.6	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)	<1310	<1400	
Dimension (W × H × D mm)	1055 × 2000 × 1055		
Ingress Protection Rating	IP55		
Anti-corrosion Class	C4 (C5-M Optional)		
Fire Safety Equipment <sup>*3</sup>	Aerosol (Pack & Cabinet Level)		
Certification <sup>*4</sup>			
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.