GOODWE

BAT Series

14.3kWh I Low Voltage Battery

The BAT Series 14.3kWh battery is a high-capacity, low-voltage energy storage solution designed specifically for residential applications. It enables homeowners to store excess solar energy for use during peak demand hours or power outages, enhancing energy independence and self-consumption. Compatible with GoodWe low-voltage inverters, the BAT Series ensures seamless integration and optimized system performance, providing a reliable and efficient energy storage experience for modern homes.



High Power Efficiency

- 12kW charge/13.2kW discharge, faster load response
- Support continuous 0.8C charging & 0.94C discharging
- Support parallel connection for easy expansion

Sustained High Performance

- High-capacity 280Ah cells with long 6500-cycle lifespan
- Reliable LFP technology with high cycle stability

Wide Compatibility

- Compatible with single-phase ES Uniq and three-phase ET LV inverters
- Perfectly matched with high-power inverters

Friendly & Thoughtful Design

- White appliance style design
- Smart LED display for real-time status

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Technical Data		GW14.3-BAT-LV-G10
Rated Energy (kWh)		14.3
Usable Energy (kWh)*1		≥13.8
Battery Type		LFP ($LiFePO_4$)
Nominal Voltage (V)		51.2
Max. Continuous Charging Current (A)		224
Max. Continuous Discharging Current (A)		260
Max. Input Power (System) (kW)*2		12
Max. Output Power (System) (kW)*2		12 (13.2 @ 10min)
Peak Output Power (System) (kW)*2		20 @ 15s
Charging Temperature Range (°C)		0 ~ +55
Discharging Temperature Range (°C)		-20 ~ +55
Relative Humidity		5 ~ 85%
Max. Operating Altitude (m)		4000
Communication		CAN, RS485
Weight (kg)		125
Dimensions (W × H × D mm)		530 × 885 × 246 (Without the base) 530 × 918.6 × 246 (With base included)
Optional Function Configuration		Aerosol
Ingress Protection		IP20
Ambient Temperature		0 ~ +45 (Standard configuration) +10 ~ +35 (Recommend) -20 ~ +45 (Optional)
Max. Storage Time		12 months (-20°C ~ +35°C) 6 months (+35°C ~ +45°C)
Mounting Method		Floor-Mounted, Wall-Mounted
Standard and Certification	Safety	IEC 62619, IEC 63056, IEC 60730-1
	EMC	EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4
	Transportation	UN38.3, ADR, MSDS

*1: Test conditions, 100% DOD (cell 2.85~3.6V voltage range), 0.2P charge & discharge at 25 ± 2°C for battery system at the beginning of life. Usable energy is defined by its initial design value. Actual available energy may vary depending on charge / discharge rate, environmental conditions (e.g. temperature), transport and storage factors.
*2: Max. Input Power / Max. Output Power / Peak.Output Power derating will occur related to Temperature and SOC.
*: Please visit GoodWe website for the latest certificates.

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