

GOODWE HYBRID INVERTER

BAT SERIES | 61.4-112.6KWH | C&I BATTERY SYSTEM



GoodWe's BAT Series high-voltage lithium batteries, ranging from 61.4 to 112.6kWh, are specifically designed for small to medium-sized commercial and industrial (C&I) applications.

Paired with GoodWe ET hybrid inverters, Static Transfer Switch (STS) box, the BAT battery system provides a complete, easy-to-install, and high-performance energy storage solution. This powerful system delivers efficient energy backup, peak shaving, and optimized load management..

*Hybrid inverter must be purchased separately.

How you benefit:



SMART CONTROL & MONITORING

Remote monitoring & updates.
Smart energy management system.



FLEXIBLE DESIGN

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



SAFE OPERATION

Reliable LFP technology
with high cycle stability.
Aerosol-based fire suppression
system at cabinet-level.



EFFICIENT & FLEXIBLE

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

Model	GW61.4-BAT-AC-G10AC-G10	GW92.1-BAT-AC-G10	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	GW102.2-PACK-ACI-G10			
Pack Nominal Energy (kWh)	10.24			
Pack Configuration	2P96S	2P144S	2P160S	2P176S
Pack Weight (kg)	<90			
Number of Packs	6	9	10	11
Nominal Energy (kWh)	61.4	92.1	102.4	112.6
Usable Energy (kWh) ¹	60	90	100	110
Nominal Voltage (V)	307.2	460.8	512	563.2
Operating Voltage Range (V)	275.52 - 346.56	413.28 - 519.84	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) ²	180 / 220			
Max. Charge / Discharge Rate ²	0.9C / 1.1C			
Max. Charge / Discharge Power (kW) ²	55.2 / 67.5	82.9 / 101.3	92.1 / 112.6	101.3 / 123.9
Cycle Life	≥6000 times until 70% SOH under 25 ± 2°C. 0.5C and 100% DOD			
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	<1220	<1310	<1400
Dimension (W × H × D mm)	1055 × 2000 × 1055			
Noise Emission (dB)	≤70			
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.

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As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

Refer to Solahart Warranty for details of the product warranty and Solahart Owner's Guide & Installation Instructions for installation details. Marketing material is up to date at the time of creation.

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