

GOODWE

BAT-C Series

60-112kWh | C&I Battery System

GoodWe's BAT-C Series high-voltage lithium batteries, available in 61.4kWh, 92.1kWh, 102.4kWh and 112.6kWh capacities, are specifically designed for small to medium-sized commercial and industrial (C&I) applications. Paired with GoodWe ET 15-30kW and ET 40-50kW hybrid inverters, Static Transfer Switch (STS) box, the BAT-C 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.



Flexible & Adaptable Applications

- Max. Continuous 0.9C charging & 1.1C discharging
- Support 4 units in parallel, scaling up to 450kWh
- Pairs with GoodWe ET 15-30kW and ET 40-50kW hybrid inverters



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	GW61.4-BAT-AC-G10	GW92.1-BAT-AC-G10	GW102.4-BAT-AC-G10	GW112.6-BAT-AC-G10
Battery System				
Cell Type	LFP (LiFePO ₄)			
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	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	512.0	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			
Rated Charge / Discharge Power (kW) ^{*2}	30.7	46.0	51.2	56.3
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 98% DOD		6000 (25 ± 2°C, 0.5C, 98%DOD, 70%EOL)	≥6000 times until 70% SOH under 25 ± 2°C. 0.5C and 98% DOD
Depth of Discharge	98%	98%	100%	98%
Efficiency				
Round-trip Efficiency	96%@98%DOD, 0.2C, 25 ± 2°C		96%@98%DOD, 0.2C, 25 ± 2°C	96%@98%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	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, 98% 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.