

Lynx A G4 Series

16kWh | Low Voltage Battery

The Lynx A G4 Series 16kWh battery is a high-capacity, low-voltage energy storage solution designed for residential use. It allows homeowners to store excess solar energy for peak demand and backup power, increasing energy independence and maximizing self-consumption. Fully compatible with GoodWe low-voltage inverters, it delivers seamless integration and optimized performance for a reliable and efficient home energy experience.



High Performance

- 0.5C charge/0.63C discharge: Strong backup for high-load demands
- 314Ah Cells, 8000 Cycles: Built for long-term reliability
- Heating technology for reliable operation from -20°C to 55°C¹



Flexible Scalability

- Up to 30 Units Parallel: Scale power as you grow
- Dual-Terminal Daisy-Chain Design: No busbar needed, full flexibility
- Floor & Wall-Mounted Design: Flexible installation



Multi-layer Safety

- IP65 Protection: Longer life & higher durability
- Thermal-Electric Separation & cell-level heat isolation
- Aerosol Fire Suppression System¹: Active fire control



Quick & Easy Installation

- Built-in Breaker: Less components, faster install
- Integrated Current Limiting: Fast expansion & auto parallel recovery
- Compact with Optional Wheels: Move, install, maintain with ease

Technical Data		GW16.1-BAT-LV-G10
Battery Type	LFP (LiFePO ₄)	
Rated Capacity (Ah)	314	
Rated Energy (kWh)	16.1	
Usable Energy (kWh) ^{*1}	≥14.9	
Nominal Voltage(V)	51.2	
Voltage Range(V)	45.92 ~ 57.76	
Max. Continuous Charging Current (System) (A)	157	
Max. Continuous Discharging Current (System) (A)	200	
Max. Input Power (kW) ^{*2}	8	
Max. Output Power (kW) ^{*2}	10	
Peak Output Power (System) (kW) ^{*2}	16 (15s)	
Charging Temperature Range(°C)	0 ~ +55	
Discharging Temperature Range (°C)	-20 ~ +55	
Relative Humidity	5 - 95%	
Max. Operating Altitude (m)	4000	
Communication	CAN	
Weight (kg)	≤122	
Useable Extinguishing Agent	CO ₂ , H ₂ O	
Crucial Material	LiFePO ₄ , C, Cu, LiPF ₆ , Al, (C ₃ H ₆)n	
Ingress Protection	IP65	
Protective Class	I	
Dimensions (W × H × D mm)	≤470 × 895 × 245 (No base)	
Function Configuration	Regulating wheel (Optional); Aerosol fire extinguishing (Optional)	
Max. Storage time	-20 ~ +35°C ≤12 months +35 ~ +45°C ≤6 months	
Scalability	30P	
Mounting Method	Wall-Mounted, Floor-Mounted	
Cycle Life ^{*3}	≥8000 (25 ± 2°C 0.5C 90% DOD 70% SOH)	
Standard and Certification	Safety	IEC62619, IEC60730, IEC63056, CE
	EMC	CE
	Transportation	UN38.3, MSDS

*1: Test conditions, 100% DOD (cell 2.87 ~ 3.61V 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.

*3: This refers to the Cycle Life of the battery cell.

*: Please visit GoodWe website for the latest certificates.