

Lynx U G3 Series

5kWh | Low Voltage Battery

The Lynx U G3 Series battery is specially designed for residential applications, delivering enhanced and dependable energy storage solutions. Its compact and lightweight design ensures easy integration into homes for both self-consumption and backup applications. Each battery pack is a standalone unit with an integrated Battery Management System (BMS), eliminating the need for a Power Control Unit (PCU). Featuring high-performance LFP battery technology, it boasts a maximum 90A charging/100A discharging rate. The battery's versatile installation options—floor or wall mounting—make it easy to set up, while its expandability allows for connection of up to 30 modules in parallel, reaching a total capacity of 150kWh.



High Power Efficiency

- Max. 90A charging/100A discharging rate
- Long cycle life, >6000 times @25°C±2°C, 0.5C, 70% EOL
- Heating film for ensured low-temperature performance¹



Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Aerosol-based fire suppression optional¹
- IP65 protection for indoor & outdoor installation



Friendly & Thoughtful Design

- Easy wall-mounting or floor installation
- Modular design simplifies installation and maintenance



Expandable & Flexible

- Up to 30 units in parallel, scalable from 5kWh to 150kWh
- Compatible with GoodWe hybrid inverters

Technical Data	LXU 5.0-30	
	 ×1	 ×30
Nominal Battery Energy (kWh)	5.12	
Usable Energy (kWh) ¹	5	
Cell Type	LiFePO4	
Nominal Voltage (V)	51.2	
Operating Voltage Range (V)	43.2 ~ 58.24	
Nominal Charge Current (A)	60	
Max. Continuous Charge Current (A) ^{2,3}	90	
Nominal Discharge Current (A)	100	
Max. Continuous Discharge Current (A) ^{2,3}	100	
Pulse Discharging Current (A) ^{2,3}	<200A (30S)	
Max. Continuous Charging / Discharging Power (kW)	4.95	
Communication	CAN	
T _{Chg} (Charging Temperature Range) (°C)	0<T≤55	
T _{Disch} (Discharging Temperature Range) (°C)	-20<T≤55	
Ambient Temperature (°C)	0<T≤40 (Recommend 10<T≤30) Optional heating: -20<T≤40 (Recommend 10<T≤30)	
Relative Humidity	5 ~ 95%	
Maximum Storage Time	12 Months (Maintenance-free)	
Max. Operating Altitude (m)	4000	
Heating	Optional	
Fire Suppression	Optional, Aerosol	
Unit Weight (kg)	50	
Unit Dimensions (W × H × D mm)	460 × 580 × 160	
Enclosure Protection Rating	IP65	
Applications	On Grid / On Grid + Backup / Off Grid	
Scalability	30P	
Mounting Method	Wall Mounted / Grounded	
Round-trip Efficiency ¹	≥96%	
Cycle Life	>6000 @ 25 ± 2 °C, 0.5 C, 70% SOH, 90% DOD	
Safety	VDE2510-50, IEC62619, IEC62040, N140, IEC63056	
EMC	EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4	
Transportation	UN38.3, ADR	
Environment	ROHS	

*1: Test conditions: 100% DOD, 0.2C charge & discharge at 25°C ± 2°C, at the beginning of life.

*2: The system's working current and power values will be related to temperature and State of Charge (SOC).

*3: Max. charge / discharge current values may be variant with different inverter models.

†: Please visit GoodWe website for the latest certificates.