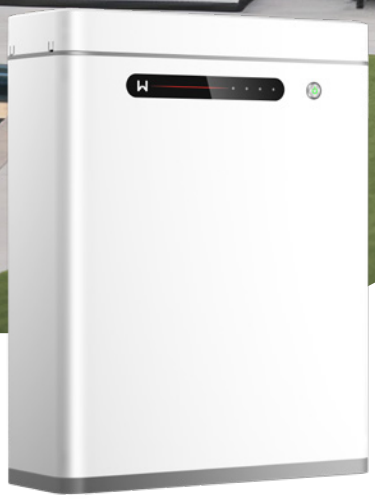
GOODWE

Lynx U G3 Series

5kWh I 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 performance[1]

Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Aerosol-based fire suppression optional[1]
- IP65 protection for indoor & outdoor installation

Friendly & Thoughtful Design

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

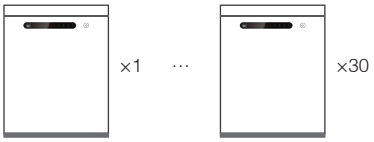
Expandable & Flexible

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

1: Optional functions or devices are purchased separately.

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GOODWE

Technical Data	LXU 5.0-30
	
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)*4	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_{Dsch} (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.
*4: For Australia, Nominal Discharge Current is 50A.
*: Please visit GoodWe website for the latest certificates.

GoodWe-Single page-20250702-EN-V2.1 Information may be subject to change without notice during product improving.