

GOODWE

Lynx U G3 Series

5 kWh | Low voltage battery

The Lynx U G3 Series battery is meticulously designed for contemporary homes, delivering enhanced and dependable energy storage solutions. Its compact and lightweight design ensures easy integration into homes for both self-consumption and backup applications. Equipped with unique battery heating technology, it operates efficiently even at low temperatures. 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.



COMING
SOON



Longevity and Warranty Assurance

- 10-year warranty, extendable to 15 years
- 70% End-of-Life (EOL) after 6000 cycles



Friendly & Thoughtful Design

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



Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP65 protection for indoor & outdoor installation



Expandable & Flexible

- Connect up to 30 modules in parallel, scalable from 5kWh to 150kWh
- Compatible with GoodWe hybrid inverters

Technical Data	LXU 5.0-30
Usable Energy (kWh) ^{*1}	N × 5
Battery Module	LXU 5.0-30
Cell Type	LiFePO4
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	45.9 ~ 57.6
Nominal Charge Current (A)	60
Max Continuous Charge Current (A) ^{*2}	90
Nominal Discharge Current (A)	100
Max Continuous Discharge Current (A) ^{*2}	100
Minimum Unit Nominal Charge / Discharge Power (kW)	4.6 / 5.1
Communication	External: CAN, Internal: CAN
Ambient Temperature (°C)	0<T≤40°C (Recommend 10<T≤30°C)
Operating Temperature (°C)	-20<T≤55°C
Maximum storage time	12 Months (maintenance-free)
Relative Humidity	5 ~ 85%
Max. Operating Altitude (m)	4000
Heating	optional
Minimum Unit Weight (kg)	≤50
Minimum Unit Dimensions (W × H × D mm)	505 × 175 × 570 (Max)
Enclosure Protection Rating	≥IP65
Installation Mode	Floor installation / Wall Mounting
expansion capacity	30P
Round-trip Efficiency	≥94%
Cycle Life ^{*3}	>6000
Warranty	10 years
Total Discharge Energy (MWh)	≥16.4
Safety	VDE2510-50, IEC62619, IEC62040, N140, CE10-21
EMC	EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4
Transportation	UN38.3, ADR
Environment	ROHS, REACH

*1: Test conditions: 90% DOD, 0.2C charger & discharger @ +25°C.

*2: Max. charge / discharge current may be variant with di_x001e_erent inverter models.

3: Recommend / Max. Charging / Discharging Current / Nominal / Max. Power.

*: Recommend / Max. charging / discharging current and Nominal / Max. power derating will occur related to Temperature and SOC.

*: Please visit GoodWe website for the latest certificates.

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