GOODWE



# Safe and flexible LV battery system for PV power self-consumption and back-up

- Maximised power back-up
- Reliable LFP battery cell
- Smart and efficient operation
- Low temperature readiness

Featuring high-performance LFP battery technology for enhanced safety and reliable performance, GoodWe's low-voltage (LV) Lynx U G3 Series has been specially designed for residential applications. The system can reach a maximum 90A charging/100A discharging rate providing smart and efficient operation. 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. Equipped with optional functions such as battery heating technology and fire protection, it operates efficiently even at low temperatures and it can achieve the highest safety standards.



- Highest safety standards
- High battery cycle stability
- Expandable up to 150kWh

# Lynx U G3 Series

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) | 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.
*: Please visit GoodWe website for the latest certificates.

GoodWe-Single page-20250116-EN-EMEA-V1.1. Information may be subject to change without notice during product improving.