

Lynx Home U Series

5.4-32.4kWh | Low voltage battery

Lynx Home U Series is a low-voltage lithium battery specially designed for residential applications with superior performance. Compatible with GoodWe ES/EM/SBP inverters, Lynx Home U Series comes with GoodWe one-stop-shop solution saving you considerable time and effort. It can be used flexibly for self-consumption and backup applications with a wide capacity range scalable from 5.4 – 32.4kWh. Each battery pack is a standalone unit with an integrated Battery Management System (BMS), eliminating the need for a Power Control Unit (PCU). The installation and commissioning are easier and faster than ever with a simple Plug and Play wiring and module auto recognition during system setup. Meet this highly efficient solution for storing your solar power and use it whenever needed.



Smart Control

- Remote diagnosis & update
- Auto reboot after undervoltage



Friendly & Thoughtful Design

- Auto-recognition modules
- Plug & Play wiring









Superb Safety & Reliability

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



Flexible & Adaptable Applications

- 5.4 – 32.4kWh wide capacity range
- Compatible with GoodWe ES/EM/SBP inverters

| Technical Data | LX U5.4-L | 2*LX U5.4-L | 3*LX U5.4-L | 4*LX U5.4-L | 5*LX U5.4-L | 6*LX U5.4-L |
|---|--|--|--|--|--|--|
| |  x1 |  x2 |  x3 |  x4 |  x5 |  x6 |
| Rated Energy (kWh) ^{*1} | 5.4 | 10.8 | 16.2 | 21.6 | 27.0 | 32.4 |
| Usable Energy (kWh) ^{*2} | 4.8 | 9.6 | 14.4 | 19.2 | 24.0 | 28.8 |
| Cell Type | LFP (LiFePO4) | | | | | |
| Nominal Voltage (V) | 51.2 | | | | | |
| Operating Voltage Range (V) | 48 ~ 57.6 | | | | | |
| Nominal Dis- / Charge Current (A) ^{*3} | 50 | 100 | 100 | 100 | 100 | 100 |
| Nominal Power (kW) ^{*3} | 2.88 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 |
| Communication | CAN | | | | | |
| Weight (kg) | 57 | 114 | 171 | 228 | 285 | 342 |
| Dimensions (W x H x D mm) | 505 x 570 x 175 (LX U5.4-L) | | | | | |
| Operating Temperature Range (°C) | Charge: 0 ~ +50 / Discharge: -10 ~ +50 | | | | | |
| Relative Humidity | 0 ~ 95% | | | | | |
| Max. Operating Altitude (m) | 2000 | | | | | |
| Ingress Protection Rating | IP65 | | | | | |
| Mounting Method | Wall Mounted / Grounded | | | | | |
| Standard and Certification | Safety | IEC62619, IEC62040, CEC | | | | |
| | EMC | CE, RCM | | | | |
| | Transportation | UN38.3 | | | | |

*1: Test conditions, cell Voltage 2.5 ~ 3.65V, 0.5C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different Inverter.

*2: Test conditions, 90% DOD, 0.5C charge & discharge at +25 ±2°C.

*3: Nominal Dis- / Charge Current and power derating will occur related to Temperature and SOC.

*: Please visit GoodWe website for the latest certificates.