

# GOODWE

## Lynx Home U Series

### Low Voltage Battery

GoodWe's Lynx Home U Series is a low voltage lithium battery, especially designed for residential applications with superior performance, the safest battery technology (LFP) and optimized user experience. The in-built auto recognition function and the plug & play design allow for easy installation.



Module Auto Recognition



Auto Under-voltage Reboot



Remote Diagnosis & Upgrade



IP65 Protection Level

| 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   |
|----------------------------------------|----------------|----------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Rated Energy (kWh)*                    |                | 5.4 kWh                                      | 10.8 kWh      | 16.2 kWh      | 21.6 kWh      | 27 kWh        | 32.4 kWh      |
| Usable Energy (kWh)*                   |                | 4.8 kWh                                      | 9.6 kWh       | 14.4 kWh      | 19.2 kWh      | 24 kWh        | 28.8 kWh      |
| Cell Type                              |                | LFP (LiFePO4)                                | LFP (LiFePO4) | LFP (LiFePO4) | LFP (LiFePO4) | LFP (LiFePO4) | LFP (LiFePO4) |
| Cell Configuration                     |                | 16S1P                                        | 16S2P         | 16S3P         | 16S4P         | 16S5P         | 16S6P         |
| Rated Voltage (V)                      |                | 51.2 V                                       | 51.2 V        | 51.2 V        | 51.2 V        | 51.2 V        | 51.2 V        |
| Operating Voltage Range (V)            |                | 48~57.6 V                                    | 48~57.6 V     | 48~57.6 V     | 48~57.6 V     | 48~57.6 V     | 48~57.6 V     |
| Max. Continuous Discharge Current (A)* |                | 50A                                          | 100A          | 100A          | 100A          | 100A          | 100A          |
| Max. Discharge Power (kW)*             |                | 2.88 kW                                      | 5.76 kW       | 5.76 kW       | 5.76 kW       | 5.76 kW       | 5.76 kW       |
| Communication                          |                | CAN                                          | CAN           | CAN           | CAN           | CAN           | CAN           |
| Weight (Kg)                            |                | 57 Kg                                        | 114 Kg        | 171 Kg        | 228 Kg        | 285 Kg        | 342 Kg        |
| Dimensions (W × D × H) (mm)            |                | 505 × 175 × 570 mm (LX U5.4-L)               |               |               |               |               |               |
| Operating Temperature (°C)             |                | Charge: 0<T<50°C / Discharge: -10<T<50°C     |               |               |               |               |               |
| Storage temperature (°C)               |                | -20~40°C (≤ One Month) / 0~35°C (≤ One Year) |               |               |               |               |               |
| Humidity                               |                | ≤ 95%                                        | ≤ 95%         | ≤ 95%         | ≤ 95%         | ≤ 95%         | ≤ 95%         |
| Altitude (m)                           |                | ≤ 2000m                                      | ≤ 2000m       | ≤ 2000m       | ≤ 2000m       | ≤ 2000m       | ≤ 2000m       |
| Protection Degree                      |                | IP65 (Outdoor / Indoor)                      |               |               |               |               |               |
| Installation Location                  |                | Wall-Mounted / Ground-Mounted                |               |               |               |               |               |
| Standard and Certification             | Safety         | IEC62619, CEC                                | IEC62619, CEC | IEC62619, CEC | IEC62619, CEC | IEC62619, CEC | IEC62619, CEC |
|                                        | EMC            | CE, RCM                                      | CE, RCM       | CE, RCM       | CE, RCM       | CE, RCM       | CE, RCM       |
|                                        | Transportation | UN38.3                                       | UN38.3        | UN38.3        | UN38.3        | UN38.3        | UN38.3        |

Rated Energy\*: Test conditions, Cell Voltage 2.5~3.65V, 0.5C charge & discharge at +25±3 °C.

Usable Energy\*: Test conditions, 90% DOD, 0.5C charge & discharge at +25±3 °C.

Max. Continuous Discharge Current\*/Power\*: Max. Continuous Charge/Discharge and power derating will occur related to Temperature and SOC.