GOODWE

# Lynx A Series

## 5kWh I Low Voltage Battery

Harnessing the reliability of lithium iron phosphate (LFP) battery cell technology to ensure safety and longevity, GoodWe's low-voltage Lynx A Series has been designed to cater to residential requirements. With a focus on maximizing self-consumption and providing reliable solar power backup, this system ensures a seamless energy experience for homeowners. Moreover, the battery presents high energy density, enabling effective storage of significant energy within a confined space.


### Smart Control

· Remote diagnosis&update via inverter
· Auto reboot after undervoltage

### Friendly & Thoughtful Design

· Compact and lightweight design
· Cell-to-pack (CTP) battery design

### Superb Safety & Reliability

· Reliable LFP technology with high cycle stability
· Insulation resistance test

### Flexible & Adaptable Applications

· Possess scalability to meet demand
· Compatible with GoodWe residential storage inverters

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| Technical Data | | LX A5.0-10 | 2*LX A5.0-10 | n*LX A5.0-10 |
|---|---|---|---|---|
| Usable Energy (kWh)[*1] | | 5 | 10 | n × 5 |
| Battery Module | | LX A5.0-10: 51.2V 5.0kWh | | |
| Number of Modules | | 1 | 2 | n |
| Cell Type | | LFP (LiFePO4) | | |
| Nominal Voltage (V) | | 51.2 | | |
| Operating Voltage Range (V) | | 47.5 ~ 57.6 | | |
| Nominal Dis- / Charge Current (A)[*2] | | 60 | 120 | n × 60[*3] |
| Nominal Power (kW)[*2] | | 3 | 6 | n × 3[*3] |
| Operating Ambient Temperature Range (°C)[*4] | | Charge: 0 ~ +50; Discharge: -10 ~ +50 | | |
| Relative Humidity | | 0 ~ 95% | | |
| Max. Operating Altitude (m) | | 3000 | | |
| Communication | | CAN | | |
| Weight (kg) | | 40 | 80 | n×40 |
| Dimensions (W × H × D mm) | | LX A5.0-10 Module: 442 × 133 × 420 (Excluding hanger); 483 × 133 × 452 (Including hanger) | | |
| Ingress Protection Rating | | IP21 | | |
| Mounting Method | | Cabinet / landing stacked | | |
| Standard and Certification | Safety | IEC62619, IEC63056, IEC62040-1 | | |
| | EMC | EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4 | | |
| | Transportation | UN38.3, ADR | | |

*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different Inverter.
*2: Nominal Dis- / Charge Current and power derating will occur related to Temperature and SOC.
*3: Based on Using Battery Combiner Box to parallelize battery modules.
n: Max 15.
*4: Load derating may occur due to fluctuations in ambient temperature.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.