

## Lynx A G3 Series

### 5kWh | Low Voltage Battery

Harnessing the reliability of lithium iron phosphate (LFP) battery cell technology, GoodWe's low-voltage Lynx A G3 Series is crafted to meet residential energy needs. Focused on optimizing self-consumption and providing reliable solar power backup, this battery offers homeowners a seamless energy storage solution. The battery presents high energy density, enabling effective storage of significant energy within a confined space. Each battery pack is designed as a standalone unit, incorporating a dedicated Battery Management System (BMS). It also allows for the connection of up to 30 units in parallel and supports different installation methods for system expansion. With its impressive battery cycle life, investing in this battery ensures enduring value for homes.

1.5C  
Discharging



#### Flexible & Adaptable Applications

- Continuous discharge current of up to 150A
- Scalable up to 150kWh, 30 units in parallel



#### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Long life cycle, >6000 times (70% EOL)



#### Friendly & Thoughtful Design

- Compact and lightweight design
- Multiple installation methods supported for expansion



#### Smart Control

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

| Technical Data                                        | LX A5.0-30                                                             |
|-------------------------------------------------------|------------------------------------------------------------------------|
| Nominal Battery Energy (kWh)                          | 5.12                                                                   |
| Usable Energy (kWh) <sup>*1</sup>                     | 5                                                                      |
| Cell Type                                             | LFP (LiFePO4)                                                          |
| Operating Voltage Range (V)                           | 43.20 ~ 58.24                                                          |
| Nominal Charge Current (A) <sup>*2</sup>              | 60                                                                     |
| Max. Continuous Charge Current (A) <sup>*2,3</sup>    | 90                                                                     |
| Nominal Discharge Current (A) <sup>*2</sup>           | 100                                                                    |
| Max. Continuous Discharge Current (A) <sup>*2,3</sup> | 150                                                                    |
| Max. Pulse Discharging Current (A) <sup>*2,3</sup>    | <200 (30s)                                                             |
| Max. Continuous Discharging Power (W) <sup>*2,3</sup> | 7200                                                                   |
| Communication                                         | CAN                                                                    |
| Operating Temperature (°C)                            | Charge: 0<T≤55<br>Discharge: -20<T≤55                                  |
| Max. Storage Time                                     | 12 Months<br>(maintenance-free)                                        |
| Max. Operating Altitude (m)                           | 4000                                                                   |
| Weight (kg)                                           | 44                                                                     |
| Dimensions (W × H × D mm)                             | 442 × 133 × 520 (Core part)<br>483 × 133 × 559 (Maximum)               |
| Ingress Protection Rating                             | IP20                                                                   |
| Applications                                          | On Grid / On Grid + Backup / off Grid                                  |
| Scalability                                           | Max. 30 in Parallel (150kWh)<br>(Hand to hand / Combiner box / Busbar) |
| Mounting Method                                       | 19-inch standard rack, Floor-Mounted, Wall-Mounted                     |
| Round-trip Efficiency <sup>*1</sup>                   | ≥96%                                                                   |
| Cycle Life                                            | >6000 @25 ± 2°C 0.5C 70%SOH 90%DOD                                     |
| Safety                                                | IEC62619, IEC63056, N140                                               |
| EMC                                                   | EN IEC 61000-6-1, EN IEC 61000-6-2, EN IEC 61000-6-3, EN IEC 61000-6-4 |
| 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 and power values may be variant with different inverter models.

\*: Please visit GoodWe website for the latest certificates.