GOODWE

# Lynx A G4 Series 16kWh

Low Voltage Battery

A Safer Energy Solution Built to Last





**Aerosol Fire Suppression**[1]



Thermal-Electric Separation
Cell-level Heat Isolation



**-20°C to 55°C**
Operation[1]
Harsh Environment Ready

**314Ah** Cells
**10,000** Cycles





**IP65** Protection
Built for harsh environments

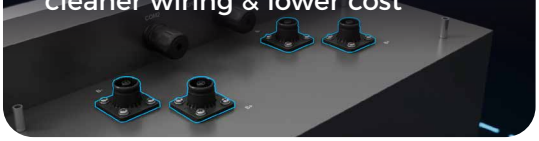
**C5M**[1]
Corrosion Resistance



Up to **30** Units Parallel
Scale power as you grow




**Dual-Terminal Daisy-Chain Design**
No busbar needed,
cleaner wiring & lower cost



1: Optional functions or devices are purchased separately.

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| Technical Data | | GW16.1-BAT-LV-G10 |
|---|---|---|
| Battery Type | | LFP ($LiFePO_4$) |
| Rated Capacity (Ah) | | 314 |
| Rated Energy (kWh) | | 16.1 |
| Usable Energy (kWh)*1 | | ≥14.9 |
| Nominal Voltage(V) | | 51.2 |
| Voltage Range(V) | | 45.92 ~ 57.76 |
| Max. Continuous Charging Current (System) (A) | | 157 |
| Max. Continuous Discharging Current (System) (A) | | 200 |
| Max. Input Power (kW)*2 | | 8 |
| Max. Output Power (kW)*2 | | 10 |
| Peak Output Power (System) (kW)*2 | | 16 (15s) |
| Charging Temperature Range(°C) | | 0 ~ +55 |
| Discharging Temperature Range (°C) | | -20 ~ +55 |
| Relative Humidity | | 5 - 95% |
| Max. Operating Altitude (m) | | 4000 |
| Communication | | CAN |
| Weight (kg) | | ≤122 |
| Useable Extinguishing Agent | | $CO_2$, $H_2O$ |
| Crucial Material | | $LiFePO_4$, C, Cu, $LiPF_6$, Al, $(C_3H_6)n$ |
| Ingress Protection | | IP65 |
| Protective Class | | I |
| Dimensions (W × H × D mm) | | ≤470 × 895 × 245 (No base) |
| Function Configuration | | Regulating wheel (Optional); Aerosol fire extinguishing (Optional) |
| Max. Storage time | | -20 ~ +35°C≤12 months<br>+35 ~ +45°C≤6 months |
| Scalability | | 30P |
| Mounting Method | | Wall-Mounted, Floor-Mounted |
| Cycle Life*3 | | ≥10000 |
| Standard and Certification | Safety | IEC62619, IEC60730, IEC63056, CE |
| | EMC | CE |
| | Transportation | UN38.3, MSDS |

*1: Test conditions, 100% DOD (cell 2.87 ~ 3.61V voltage range), 0.2P charge & discharge at 25 ± 2°C for battery system at the beginning of life. Usable energy is defined by its initial design value. Actual available energy may vary depending on charge / discharge rate, environmental conditions (e.g. temperature), transport and storage factors.
*2: Max.Input Power / Max.Output Power/Peak Output Power derating will occur related to Temperature and SOC.
*3: Based on test data under specific laboratory conditions.
*: Please visit GoodWe website for the latest certificates.

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