GOODWE

Lynx A G3 Series

5kWh I 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.



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

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Technical Data	LX A5.0-30
Nominal Battery Energy (kWh)	5.12
Usable Energy (kWh)*1	5
Cell Type	LFP (LiFePO4)
Operating Voltage Range (V)	43.20 ~ 58.24
Nominal Charge Current (A)*2	60
Max. Continuous Charge Current (A)*2*3	90
Nominal Discharge Current (A)*2	100
Max. Continuous Discharge Current (A)*2*3	150
Max. Pulse Disccharging Current (A)*2*3	<200 (30s)
Max. Continuous Discharging Power (W)*2*3	7200
Communication	CAN
Operating Temperature (°C)	Charge: 0<T≤55 Discharge: -20<T≤55
Max. Storage Time	12 Months (maintenance-free)
Max. Operating Altitude (m)	4000
Weight (kg)	44
Dimensions (W × H × D mm)	442 × 133 × 520 (Core part) 483 × 133 × 559 (Maximum)
Ingress Protection Rating	IP20
Applications	On Grid / On Grid + Backup / off Grid
Scalability	Max. 30 in Parallel (150kWh) (Hand to hand / Combiner box / Busbar)
Mounting Method	19-inch standard rack, Floor-Mounted, Wall-Mounted
Round-trip Efficiency*1	≥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 valuesmay be variant with different inverter models.
*: Please visit GoodWe website for the latest certificates.

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