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)		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.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.