

GOODWE LYNX U G2 SERIES

5.4-32.4KWH | LOW VOLTAGE BATTERY



Lynx Home U Series is a low-voltage lithium battery especially designed with superior performance for residential applications. Compatible with GoodWe ES and SBP inverters, the Lynx Home U Series uses the safest battery technology (LFP). It can be used flexibly for self-consumption and backup applications with a wide capacity range scalable from 5.4–32.4kWh.

The installation and commissioning are easier and faster than ever with simple Plug and Play wiring and module auto recognition during system setup. The Lynx Home U Series is a highly efficient solution for storing and consuming your solar power.

How you benefit:



HIGH EFFICIENCY

Ease of installation and maintenance



FLEXIBLE DESIGN

5.4-32.4kWh wide capacity range.



SAFE OPERATION

Reliable LFP technology with high cycle stability.



INNOVATIVE

IP65 for both indoor and outdoor installation safety.



SOLAHART WARRANTY

Enjoy a 10-year warranty, for peace of mind⁽³⁾.

TECHNICAL DATA



Technical Data		LX U5.4-20	2*LX U5.4-20	3*LX U5.4-20	4*LX U5.4-20	5*LX U5.4-20	6*LX U5.4-20
Rated Energy (kWh)		5.4	10.8	16.2	21.6	27.0	32.4
Usable Energy (kWh) ^{*1}		5.4	10.8	16.2	21.6	27.0	32.4
Cell Type		LFP (LiFePO4)					
Cell Configuration		16S1P	16S2P	16S3P	16S4P	16S5P	16S6P
Rated Capacity (Ah)		105	210	315	420	525	630
Nominal Voltage (V)		51.2					
Rated DC Power (kW)		2.56	5.12	5.12	5.12	5.12	5.12
Operating Voltage Range (V)		47.5 - 57.6					
Max. Charging / Discharging Current (A)		50	100	100	100	100	100
Max. Charging / Discharging Power (kW)		2.56	5.12	5.12	5.12	5.12	5.12
Fault current (A)		990	1265	1393	1469	1518	1552
Operating Temperature (°C)		Charge: 0 - +50; Discharge: -10 - +50					
Relative Humidity		0 - 95%					
Max. Operating Altitude (m)		2000					
Communication		CAN, RS485					
Weight (kg)		57	114	171	228	285	342
Dimensions (W × H × D mm)		505 × 570 × 175 (LX U5.4-20)					
Ingress Protection Rating		IP65					
Mounting Method		Wall Mounted / Grounded					
Warranty		10 Years (Performance Warranty) / 10 Years (Product Warranty)					
Standard and Certification	Safety	IEC62619, IEC62040, IEC63056, CEC					
	EMC	CE, RCM					
	Transportation	UN38.3					

*1: Test conditions, Cell Voltage 2.5 - 3.65V, 0.5C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different inverter.
 *: Please visit GoodWe website for the latest certificates.
 *: All pictures shown are for reference only. Actual appearance may vary.
 *3: Refer Solahart Warranty for details of the product warranty and Solahart Owner's Guide & Installation Instructions for installation details.

Specifications and designs included in this data sheet are subject to change without notice.

Solahart Australia 1300 769 475 | solahart.com.au

Reorder code: SHDS/INVGWLU-G2

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ARTWORK/COPY APPROVAL

PV Asset:

Title	Signature	Date	Comments
Product Marketing Manager – Solar Panels and Rooftop Components			
Product Marketing Manager – Inverters and Battery Storage			
Marketing Category Lead – PV and Energy Storage			
Advertising Manager			
General Manager			
Group General Manager			