




Safe and flexible LV battery system for PV power self-consumption and back-up

- ✓ Maximised power back-up
- ✓ Highest safety standards
- ✓ Smart and efficient operation
- ✓ Modern and compact design

Featuring lithium iron phosphate (LFP) battery technology for enhanced safety and reliable performance, GoodWe's low-voltage (LV) Lynx Home U Series has been specially designed for residential applications. The system is optimised for self-consumption and back-up of solar power, while the convenient plug-and-play design allows for easy installation. Compatible with GoodWe ES/EM/SBP inverters, the modular battery system is scalable in the range from 5.4 to 32.4kWh.

-  Reliable LFP battery cell
-  High battery cycle stability
-  Remote diagnosis and update via inverter



Technical Data	LX U5.4-L	2*LX U5.4-L	3*LX U5.4-L	4*LX U5.4-L	5*LX U5.4-L	6*LX U5.4-L
Rated Energy (kWh)*	5.4kWh	10.8kWh	16.2kWh	21.6kWh	27kWh	32.4kWh
Usable Energy (kWh)*	4.8kWh	9.6kWh	14.4kWh	19.2kWh	24kWh	28.8kWh
Cell Type	LFP (LiFePO4)					
Cell Configuration	16S1P	16S2P	16S3P	16S4P	16S5P	16S6P
Rated Voltage (V)	51.2V					
Operating Voltage Range (V)	48 ~ 57.6 V					
Max. Continuous Discharge Current (A)*	50A	100A	100A	100A	100A	100A
Max. Discharge Power (kW)*	2.88kW	5.76kW	5.76kW	5.76kW	5.76kW	5.76kW
Communication	CAN					
Weight (kg)	57kg	114kg	171kg	228kg	285kg	342kg
Dimensions (W × D × H mm)	505 × 175 × 570 mm (LX U5.4-L)					
Operating Temperature (°C)	Charge: 0<T<50°C / Discharge: -10<T<50°C					
Storage temperature (°C)	-20 ~ 40°C (≤ One Month) / 0~35°C (≤ One Year)					
Humidity	≤ 95%					
Altitude (m)	≤ 2000m					
Protection Degree	IP65 (Outdoor / Indoor)					
Installation Location	Wall-Mounted / Ground-Mounted					
Standard and Certification	Safety	IEC62619, CEC				
	EMC	CE, RCM				
	Transportation	UN38.3				

Rated Energy*: Test conditions, Cell Voltage 2.5 ~ 3.65V, 0.5C charge & discharge at +25 ±3°C.

Usable Energy*: Test conditions, 90% DOD, 0.5C charge & discharge at +25 ±3°C.

Max. Continuous Discharge Current* / Power*: Max. Continuous Charge / Discharge and power derating will occur related to Temperature and SOC.

*: Please visit GoodWe website for the latest certificates.