

Lynx Home F Series High Voltage Battery

GoodWe high-voltage battery Lynx Home F Series is a perfect match and a highlight of GoodWe one-stop-shop energy storage solution realizing the remote monitoring of the whole energy storage system with a single App. It offers a wide capacity range from 6.6 kWh to 16.4 kWh, and the expandable parallel connection of up to 8 identical battery sets allows for a maximum capacity of 131 kWh. Therefore, it provides comprehensive energy storage options to meet demanding project requirements, from self-consumption optimization to backup usage. The stackable self-detecting modules make the system especially easy to install and maintain. The reliable lithium iron phosphate (LFP) battery cell technology ensures maximum safety and a longer life cycle. Get ready with Lynx Home F Series for the robust power storage for your life.



One-Stop-Shop solution

- All needed components from one manufacturer
- Perfectly matched with GoodWe inverters
- One single support address



Safe and Reliable

- Reliable LFP battery cell with high cycle stability
- IP55 for both indoor and outdoor installation safety
- Soft start protecting batteries and inverters from a sudden surge
- 10-year product & performance warranty



Flexible Applications

- Wide capacity range scalable from 6.6-16.4 kWh
- Suitable for 1 and 3 phase, hybrid and retrofit inverters
- Compatible with GoodWe BH / EH / BT / ET inverters
- Expandable nominal voltage up to 512V



Easy to Install and Maintain

- Stackable self-detecting modules
- Pre-wired communication cables for plug and play
- Automatic reboot after undervoltage
- Remote diagnosis and update via inverter

Technical Data	LX F6.6-H	LX F9.8-H	LX F13.1-H	LX F16.4-H	
Usable Energy (kWh) ^{*1}	6.55	9.83	13.1	16.38	
Battery Module	LX F3.3-H: 102.4V 3.27kWh				
Number of Modules	2	3	4	5	
Cell Type	LFP (LiFePO4)				
Nominal Voltage (V)	204.8	307.2	409.6	512	
Operating Voltage Range (V)	182.4 ~ 230.4	273.6 ~ 345.6	364.8 ~ 460.8	456 ~ 576	
Nominal Dis-/Charge Current (A) ^{*2}	25	25	25	25	
Nominal Power (kW) ^{*2}	5.12	7.68	10.24	12.8	
Operating Temperature Range (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50				
Relative Humidity	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	
Max. Operating Altitude (m)	2000	2000	2000	2000	
Communication	CAN	CAN	CAN	CAN	
Weight (kg)	115	158	201	244	
Dimensions (W x H x D mm)	600 x 625 x 380	600 x 780 x 380	600 x 935 x 380	600 x 1090 x 380	
Ingress Protection Rating	IP55	IP55	IP55	IP55	
Mounting Method	Grounded	Grounded	Grounded	Grounded	
Standard and Certification	Safety	IEC62619, IEC62040, CEC			
	EMC	CE, RCM	CE, RCM	CE, RCM	CE, RCM
	Transportation	UN38.3	UN38.3	UN38.3	UN38.3

*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 inverters.

*2: Nominal dis-/charge current and power derating will occur related to temperature and SOC.

*: Please visit GoodWe website for the latest certificates.