

GOODWE

Lynx F G2 Series

6.4-28.8kWh | High Voltage Battery

The GoodWe Lynx F G2 Series high-voltage battery is an ideal component and a highlight of the comprehensive GoodWe one-stop-shop energy storage solution. With a capacity range of 6.4kWh to 28.8kWh and the option to expand through parallel connection of up to 8 towers, the Lynx F G2 Series offers a broad range of energy storage solutions that cater to diverse project requirements, from self-consumption optimization to backup usage.

Installation and maintenance of the system are made easy with the stackable self-detecting modules. The reliable lithium iron phosphate (LFP) battery cell technology ensures maximum safety and a longer life cycle. In addition, the Lynx F G2 is compatible with GoodWe BH/EH/BT/ET inverters, further enhancing its versatility and suitability for various energy storage applications.



Smart Control & Monitoring

- Remote diagnosis & update via inverter
- Auto reboot after undervoltage



Friendly & Thoughtful Design

- Stackable auto-recognition modules
- Plug & Play wiring



Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP55 protection for outdoor installation safety



Flexible & Adaptable Applications

- Flexible capacity and stackable modules
- Up to 8 towers in parallel (230kWh)

Technical Data		LX F6.4-H-20	LX F9.6-H-20	LX F12.8-H-20	LX F16.0-H-20	LX F19.2-H-20	LX F22.4-H-20	LX F25.6-H-20	LX F28.8-H-20
Usable Energy (kWh) ^{*1}		6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8
Battery Module		LX F3.2-20: 64V 3.2kWh							
Number of Modules		2	3	4	5	6	7	8	9
Cell Type		LFP (LiFePO4)							
Cell Configuration		(20S) 2S1P	(20S) 3S1P	(20S) 4S1P	(20S) 5S1P	(20S) 6S1P	(20S) 7S1P	(20S) 8S1P	(20S) 9S1P
Nominal Voltage (V)		128	192	256	320	384	448	512	576
Operating Voltage Range (V)		114.8 ~ 144.4	172.2 ~ 216.6	229.6 ~ 288.8	287.0 ~ 361.0	344.4 ~ 433.2	401.8 ~ 505.4	459.2 ~ 577.6	516.6 ~ 649.8
Nominal Dis- / Charge Current (A) ^{*2}		35							
Max. Continuous Dis-/ Charge Current (A)		35							
Nominal Power (kW) ^{*2}		4.48	6.72	8.96	11.20	13.44	15.68	17.92	20.16
Operating Temperature Range (°C)		Charge: 0 ~ +50; Discharge: -20 ~ +50							
Relative Humidity		0 ~ 95%							
Max. Operating Altitude (m)		3000							
Communication		CAN							
Weight (kg)		86	120	154	188	222	256	290	324
Dimensions (W x D x H mm)		600 x 380 x 559	600 x 380 x 715	600 x 380 x 871	600 x 380 x 1027	600 x 380 x 1183	600 x 380 x 1339	600 x 380 x 1495	600 x 380 x 1651
Ingress Protection Rating		IP55							
Storage Temperature (°C)		-20 ~ +45 (≤One Month) ; 0 ~ +35 (≤One Year)							
Mounting Method		Grounded							
Round-trip Efficiency		94%							
Cycle Life ^{*3}		>4000							
Standard and Certification	Safety	IEC62619, IEC62040-1, IEC63056, VDE2510, CE, CEC							
	EMC	CE, RCM							
	Transportation	UN38.3							
Country of Manufacture		China							

*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 2.87 ~ 3.61V voltage rang @25 ±2°C of Cell under 0.7C test condition and 80% EOL.

*: Please visit GoodWe website for the latest certificates.

*: All pictures shown are for reference only. Actual appearance may vary.