GOODWE

Lynx F G2 Series

6.4-28.8kWh I High Voltage Battery

The GoodWe Lynx Home F G2 Series high-voltage battery provides the ideal modular energy storage solution, when combined with the compatible GoodWe EH and ET series inverters . 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 Home F G2 Series provides a battery solution for systems of all sizes, from residential homes to commercial properties.

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.

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)

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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 ~3 61.0	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)*4	-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× H× D mm)	600 × 559 × 380	600 × 715 × 380	600 × 871 × 380	600 × 1027 × 380	600 × 1183 × 380	600 × 1339 × 380	600 × 1495 × 380	600 × 1651 × 380
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							
Standard and Certification – EMC	CE, RCM							
Standard and Certification – Transport ation	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 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.
*4: Charge: 0 ~ +50; Discharge: -20 ~ +50.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.