

Technical Data		GW5.1-BAT-D-G20	GW8.3-BAT-D-G20	GW5.1-BAT-D-G21	GW8.3-BAT-D-G21	GW6.0-BAT-D-G20	GW9.0-BAT-D-G20
Battery Type			LFP (LiFePO ₄)				
Rated Energy (kWh)		5.12	8.32	5.12	8.32	6.0	9.0
Usable Energy (kWh)		5.0 ^{*1}	8.0 ^{*2}	5.0 ^{*1}	8.0 ^{*2}	5.8 ^{*3}	8.7 ^{*3}
Operating Voltage Range (V) (single phase system)			350 ~ 550				
Operating Voltage Range (V) (three phase system)			700 ~ 950				
Max. Input Current (System) (A)		12.0	19.0	12.0	19.0	7.1	10.7
Max. Output Current (System) (A)		13.2	21.0	13.2	21.0	7.9	11.8
Max. Input Power (System) (kW) ^{*4}		5.0	8.0	5.0	8.0	3.0	4.5
Max. Output Power (System) (kW) ^{*4}		5.0	8.0	5.0	8.0	3.0	4.5
Peak Output Power (System) (kW) ^{*4}		7.5 @10s	12 @10s	7.5 @10s	12 @10s	4.5 @ 10s	6.75 @ 10s
Charging Temperature Range (°C)		-18 ~ +55	-18 ~ +55	+2 ~ +55	+2 ~ +55	-20 ~ +55	-20 ~ +55
Discharging Temperature Range (°C)			-20 ~ +55				
Relative Humidity			4 ~ 100%				
Max. Operating Altitude (m)			4000				
Noise Emission (dB)		≤29	≤29	≤29	≤29	≤27	≤27
Communication		CAN	CAN	CAN	CAN	CAN & 485	CAN & 485
Weight (kg)		57.5 ± 1	79 ± 1	57.5 ± 1	79 ± 1	61 ± 1	77± 1
Ingress Protection			IP66				
Dimensions (W × H × D mm)			800 × 326 × 270				
Function Configuration		Heating (Integrated); Aerosol fire extinguishing (Integrated)		Aerosol fire extinguishing (Integrated)		Heating (Integrated); Aerosol fire extinguishing (Integrated)	
Max. Storage time			12 months (-20°C ~ +35°C) 6 months (+35°C ~ +45°C)				
Scalability ^{*5}			12 pcs				
Mounting Method			Floor stacked / Wall-mounted			Floor stacked / Wall-mounted / Grounded	
Cycle Life ^{*6}		≥8000	≥8000	≥8000	≥8000	≥10000	≥10000
Country of Manufacture			China				
Standard and Certification	Safety	IEC62619, IEC60730, EN62477, IEC63056, IEC62040, CE, CEC, VDE2510				IEC62619, IEC60730, EN62477, IEC63056, IEC62040, CE, CEC, Regulation 2023 / 1542, VDE2510-50	
	EMC	CE, RCM					
	Transportation	UN38.3, ADR					

*1: Test conditions, 98% DOD (cell 2.85~3.6V voltage range), 0.2P charge& discharge at 25±2°C for battery system at the beginning of life. Usable energy is defined by its initial design value. AActual available energy may vary depending on charge/discharge rate, environmental conditions (e.g. temperature), transport and storage factors.

*2: Test conditions, 96% DOD (cell 2.85~3.6V voltage range), 0.2P charge & discharge at 25±2°C for battery system at the beginning of life. Usable energy is defined by its initial design value. AActual available energy may vary depending on charge/discharge rate, environmental conditions (e.g. temperature), transport and storage factors.

*3: Test conditions, 100% DOD (cell 2.87~3.61V voltage range), 0.4P charge & discharge at 25±2°C for battery system at the beginning of life. Usable energy is defined by its initial design value. Actual available energy may vary depending on charge/discharge rate, environmental conditions (e.g. temperature), transport and storage factors.

*4: Max. Input Power /Max. Output Power/Peak.Output Power derating will occur related to Temperature and SOC.

*5: For single-column stacked installations, the maximum number of parallel units is 6.

*6: Based on test data under specific laboratory conditions.

*: Based on Lynx D G2 Series technology

*: Please visit GoodWe website for the latest certificates.