

Technical Data		GW6.0-BAT-D-G20	GW9.0-BAT-D-G20
Battery Type		LFP (LiFePO ₄)	
Rated Capacity (Ah)		314Ah	
Rated Energy (kWh)		6	9
Usable Energy (kWh) ¹		5.9	8.85
Nominal Voltage(V) (Battery)		19.2	28.8
Voltage Range(V) (Battery)		16.2 ~ 21.84	24.3 ~ 32.76
Operating Voltage Range (V) (single phase system)		350 ~ 550	
Operating Voltage Range (V) (three phase system)		700 ~ 950	
Max. Input Current (System) (A)		7.1	10.7
Max. Output Current (System) (A)		7.9	11.8
Max. Input Power (System) (kW) ²		3	4.5
Max. Output Power (System) (kW) ²		3	4.5
Peak Output Power (System) (kW) ²		4.5 (10s)	6.75 (10s)
Charging Temperature Range(°C)		-20 ~ +55	
Discharging Temperature Range (°C)		-20 ~ +55	
Relative Humidity (%)		4 ~ 100	
Max. Operating Altitude (m)		4000	
Communication		CAN & 485	
Weight (kg)		61 ± 2	77 ± 2
Useable Extinguishing Agent		CO ₂ , H ₂ O	
Crucial Material		LiFePO ₄ , C, Cu, LiPF ₆ , Al, (C ₃ H ₆) n	
Ingress Protection		IP66	
Protective Class		I	
Dimensions (W × H × D mm)		800 × 326 × 270	
Function Configuration		Heating (Integrated); Aerosol fire extinguishing (Integrated)	
Max. Storage time		12 months (-20°C ~ +35°C) 6 months (+35°C ~ +45°C)	
Scalability ³		12P	
Mounting Method		Floor stacked / Wall-mounted / Grounded	
Usable / Rated Capacity (%)		97	
Country of Manufacture		China	
Standard and Certification	Safety	IEC62619, IEC60730, EN62477, IEC63056, IEC62040, CE, CEC, Regulation 2023 / 1542, VDE2510-50	
	EMC	CE, RCM	
	Transportation	UN38.3 ADR	

*1: 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.

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

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

*: Please visit GoodWe website for the latest certificates.