

LITHIUM BATTERY GEM SERIES



WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- LiFePO₄ provides the safest and most reliable Lithium technology
- IP54-rated (indoor/outdoor installation)
- 4.0kWh / 7.0kWh / 10.0KWh / 90% DOD
- Consistent performance over wide temperature range
- Seamless integration with the Sapphire Solar Gem Series Hybrid Inverter
- In-built state-of-the-art Battery Management System
- Wall-mounted convenient installation
- 10-year warranty (6000 cycles)



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	GS4000	GS7000	GS10000
Nominal Parameters			
Voltage	51.2Vdc	51.2Vdc	51.2Vdc
Capacity	80Ah	136Ah	195.3Ah
Energy	4.0KWh	7.0kWh	10KWh
Warranty	10 years	10 years	10 years
Dimensions (W/H/D)	590/380/169mm	620/695/180mm	620/695/180mm
Weight	36Kg	75kg	85kg
Basic Parameters			
Life time (25°C)	10 years		
Life cycles (90% DOD, 25°C)	6000 cycles		
Storage time / temperature	6 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C		
Operation temperature	-20°C to 60°C @60+/-25% Relative Humidity	-10°C to 50°C @60+/-25% Relative Humidity	
Storage temperature	0°C to 45°C @60+/-25% Relative Humidity	-20°C to 60°C @60+/-25% Relative Humidity	
Lithium Battery Standard	UL 1642		
EMC standard	IEC 61000		
Enclosure protection rating	IP65	IP54	
Electrical Parameters			
Operation voltage	43.2 - 57.6Vdc	45 - 56.8Vdc	45 - 57.6Vdc
Max. charging voltage	57.6Vdc	56.8Vdc	57.6Vdc
Max. charging current	60A	88A	100A
Max. discharging current	60A	88A	100A
Max. power	3KW	5KW	5KW
Peak power (for 3 secs)	3.5KW	7KW	10KW
Communication Parameters			
Network interface	RS485		