

LITHIUM BATTERY GEM SERIES 4800/7000



WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- LiFePO₄ provides the safest and most reliable Lithium technology
- Wall-mounted convenient Installation
- 4.8kWh / 7.0kWh / 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
- 5-year warranty (6000 cycles) / optional 7yr / 10yr warranty upgrade available



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LITHIUM BATTERY

GEM SERIES 4800/7000

	GS 4800	GS 7000
Nominal Parameters		
Voltage	51.2Vdc	51.2Vdc
Capacity	95.2Ah	136Ah
Energy	4.8kWh	7.0kWh
Warranty	5 years (opt. 7/10yr upgrade)	5 years (opt. 7/10yr upgrade)
Dimensions(W/H/D)	630/500/177mm	720/500/160mm
Weight	60kg	90kg

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	-10°C to 50°C @60+/-25% Relative Humidity	
Storage temperature	-20°C to 60°C @60+/-25% Relative Humidity	
Lithium Battery Standard	UL 1642	
EMC standard	IEC 61000	
Enclosure protection rating	IP54	

Electrical Parameters		
Operation voltage	41~54Vdc	45~56.8Vdc
Max. charging voltage	56.8 Vdc	56.8 Vdc
Max. charging current	48A	88A
Max. discharging current	48A	88A
Max. power	2.7kW	5kW
Peak power (for 3 secs)	3.8kW	7kW

Communication Parameters		
Network interface	RS485	