

LITHIUM BATTERY GEM SERIES 4800/7000/10000



WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- LiFePO₄ provides the safest and most reliable Lithium technology
- IP54-rated (indoor/outdoor installation)
- 4.8kWh / 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
- 5-year warranty (6000 cycles)



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LITHIUM BATTERY GEM SERIES 4800/7000/10000

	GS4800	GS7000	GS10000
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Nominal Parameters

Voltage	51.2Vdc	51.2Vdc	51.2Vdc
Capacity	95.2Ah	136Ah	195.3
Energy	4.8kWh	7kWh	10kWh
Warranty	5 years (opt. 7/10yr upgrade)		
Dimensions (W/H/D)	625/548/185.5mm	620/695/180mm	620/695/180mm
Weight	62Kg	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		
Storage temperature	0°C to 45°C @60+/-25% Relative Humidity		
Lithium Battery Standard	UL 1642		
EMC standard	IEC 61000		
Enclosure protection rating	IP54		

Electrical Parameters

Operation voltage	43.2 - 57.6Vdc	43.2 - 57.6Vdc	45 - 57.6Vdc
Max. charging voltage	57.6Vdc	57.6Vdc	57.6 Vdc
Max. charging current	48A	80A	100A
Max. discharging current	48A	80A	100A
Max. power	3KW	5KW	5KW
Peak power (for 3 secs)	4KW	7KW	10KW

Communication Parameters

Network interface	RS485		
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