

# LITHIUM BATTERY GEM SERIES 4800/7000



## WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- LiFePO<sub>4</sub> provides the safest and most reliable Lithium technology
- IP54-rated (indoor/outdoor 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
- Wall-mounted convenient installation
- 5-year warranty (6000 cycles)



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# LITHIUM BATTERY

## GEM SERIES 4800/7000

	GS4800	GS7000
<b>Nominal Parameters</b>		
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)	625/548/185.5mm	694/620/165mm
Weight	62Kg	90kg
<b>Basic Parameters</b>		
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	
<b>Electrical Parameters</b>		
Operation voltage	43.2 - 57.6Vdc	43.2 - 57.6Vdc
Max. charging voltage	57.6Vdc	57.6Vdc
Max. charging current	48A	80A
Max. discharging current	48A	80A
Max. power	3KW	5KW
Peak power (for 3 secs)	4KW	7KW
<b>Communication Parameters</b>		
Network interface	RS485	