

LITHIUM BATTERY GEM SERIES 2400



WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- LiFePO₄ provides the safest and most reliable Lithium technology
- 2.4kWh / 90% DOD
- Consistent performance over wide temperature range
- In-built state-of-the-art Battery Management System
- Wall-mounted convenient installation
- 6000cycles/ 10 year service life
- 5-year warranty



www.sapphire-solar.com
info@sapphire-solar.com



LITHIUM BATTERY

GEM SERIES 2400

GS2400

Nominal Parameters

Voltage	48Vdc
Capacity	50.4Ah
Energy	2.4kWh
Warranty [^]	5 years
Dimensions (W/H/D)	478/132/410mm
Weight	28kg

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	IP20

Electrical Parameters

Operation voltage	45-54Vdc
Max. charging voltage	54Vdc
Max. charging current	48A
Max. discharging current	48A
Max. power	2.4KW
Peak power (for 3 secs)	3.5KW

Communication Parameters

Network interface	RS485
-------------------	-------

[^]Warranty valid when battery is used in accordance with specified warranty conditions