12Volt

250ah @10hr 280ah @20hr

VRLA GEL / Non Spilable / Maintenance Free



GFM series is a valve regulated AGM-GEL battery applying high purity lead with rare earth grid alloy and 4BS nucleation technique to promote the security and reliability of the battery. Fumed silica gel electrolyte improve parc of the electrolyte comparing with AGM battery when operated on float use. High consistency and high quality of production procedures provide excelent performance with long life in all applications, Solar, Telecom, UPS and other backup power applications.

Nominal Voltage

Nominal Capacity

SPECIFICATION

10-Hr Rate to 10.8V @ 25°C(77°F)	250Ah
Approximate Net Weight	68 kg (149.9 lbs) (±2%)
Max. Charging Current	62.5A
Cycle Use Charging	14.4V @25°C(77°F)
Terminal	М8-Ф18
Operating Temperature Range	-35°C to 60°C(-31°F~140°F)
Advice operating temperature	15°C~25°C(59°F~77°F)
Self Discharge	
1 month	97%
3 month	91%
6 month	83%
AEG GFM series deep cycle gel battery self-dis stored up to 6 months at 25°C(77°F) and then a fre temperature higher than 25°C(77°F), a freshening i	shening charge is required. If the storage
Case and cover	A.B.S. UL94-V0 Optional.
Design Life time	12 years



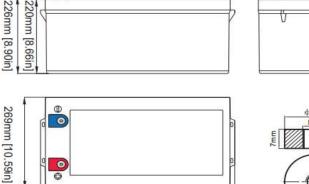
FEATURE

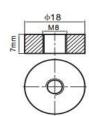
- Specifically designed for Solar and energy storage applications
- Use multiple rare-earth alloy of independent intellectual property right and special lead paste formulations
- Usage of imported low -resistant raw materials and advanced process
- Patented nanometer level gel electrolyte
- Low self-discharge rate, better deep discharge tolerance, strong recover capability of capacity
- Wide temperature range
- Valve regulated, maintenance free nonspillable



12V (6 cells)

DIMENSIONS (mm/in)









520mm [20.47in]







BATTERY CONSTRUCTION

Positive	Negative Plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Lead dioxide	Lead	ABS	ABS	Rubber	Copper	AGM	Gel

www.aegbatteries.com Email: info@aegbatteries.com

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6-GFM-250

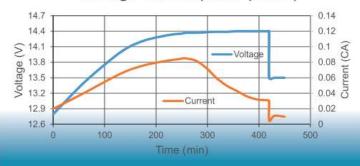
12Volt

250ah @10hr 280ah @20hr

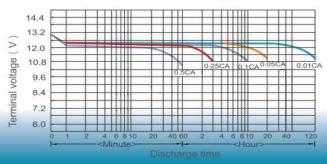
VRLA GEL / Non Spilable / Maintenance Free



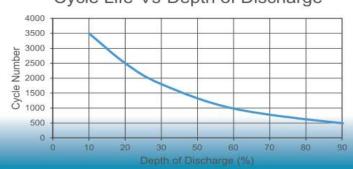
Charge Curve (solar panel)



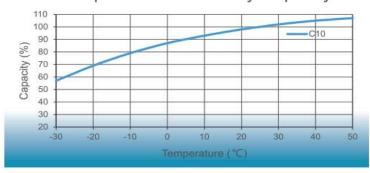
Discharge Curve (25 °C)



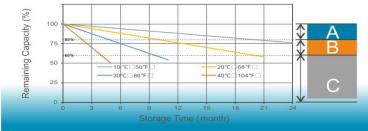
Cycle Life Vs Depth of Discharge



Temperature Vs Battery Capacity

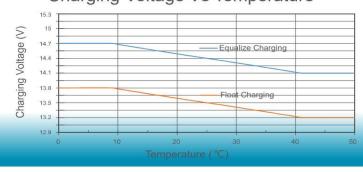


Self Discharge Characteristics



- A Charging is not necessary unless 100% of capacity is required.
- B Charging before use is necessary to help recover full capacity.
- Charging may fail to restore full capacity. Do not let batteries reach this state.

Charging Voltage Vs Temperature



Equalize Charging: Apply constant voltage charge 14.4V at 25° C(77°F). Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging. **Float Charging:** Apply constant voltage charge of 13.5V at 25°

Float Charging: Apply constant voltage charge of 13.5V at 25° C(77°F).

Temperature Compensation: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge. 3 mV/cell/°C.



- Solar / wind system
- Medical equip
- Lighting system
- Inverter
- R\
- Power Station





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