

GFM(G)-100Ah

Gel Battery Specification

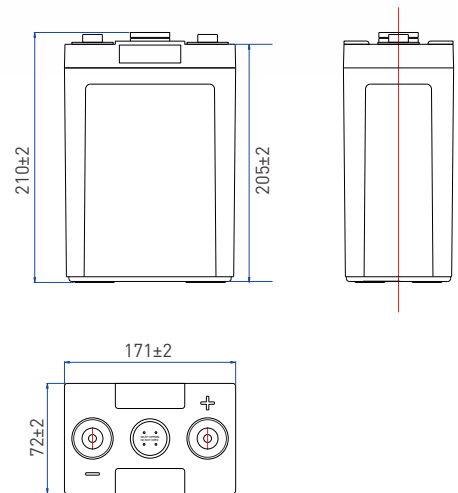
Features

- Solar/Wind Power System
- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency Backup Power Supplies
- Communication Power Supplies
- DC Power Supplies
- Auto Control System



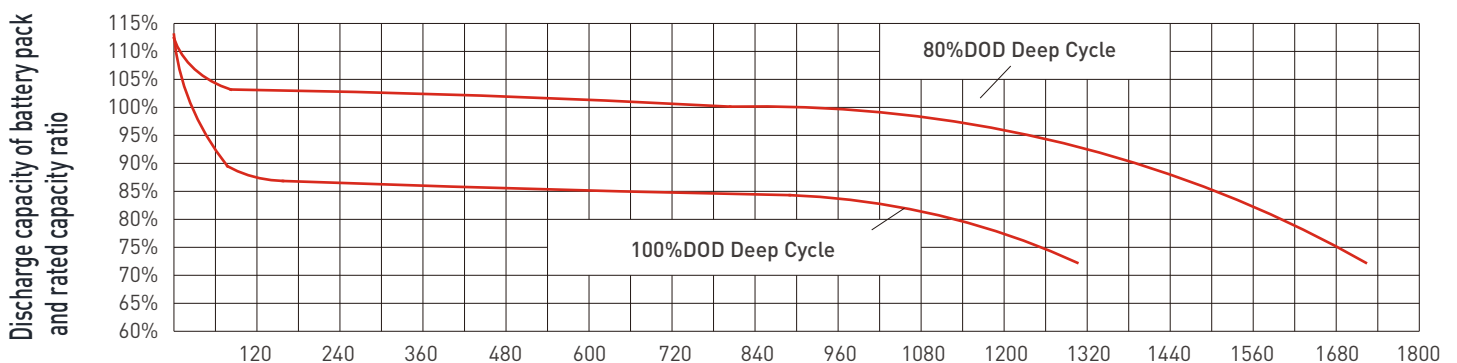
Specification

Rated Voltage	2V
Numbers of cells	1 Cells
Capacity	100Ah@10hr-rate to 1.80V per cell @25°C
Reference Capacity	C10 100.0AH
	C3 80.8AH
	C1 57.6AH
Internal Resistance	Approx. 0.77 mΩ
Weight	7.2kg
Initial Current	25A
Terminal	F10(M8)
Design Life	10~15 years
Float Charging Voltage	2.25 V~2.30 V @ 25°C
	Temperature Compensation: -3.3mV/°C/Cell
Cycle Use Voltage	2.40 V~2.45 V @ 25°C
	Temperature Compensation: -5mV/°C/Cell
Operating Temperature Range	Discharge: -45°C~50°C
	Charge: -20°C~45°C
	Storage: -30°C~40°C
Normal Operating Temperature Range	15°C~25°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Length	171±2mm (6.7 inches)
Width	72±2mm (2.8 inches)
Height	205±2mm (8.1 inches)
Total Height	210±2mm (8.3 inches)

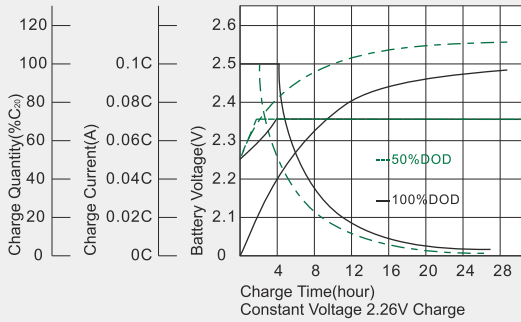
Cycle Use Curve (Amps, 20)



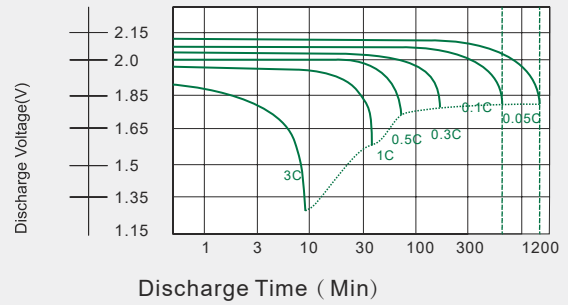
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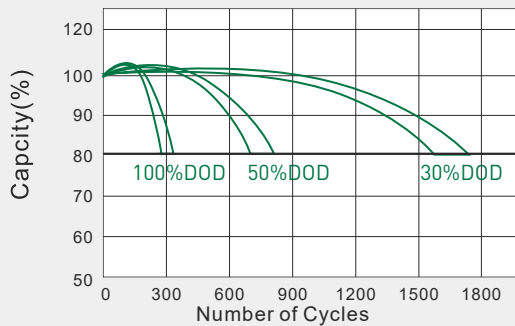
Charge Characteristics for Float Use @ 25°C/77°F



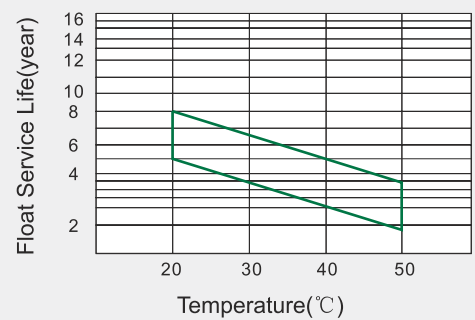
Discharge Characteristics at Various Rates @ 25°C/77°F



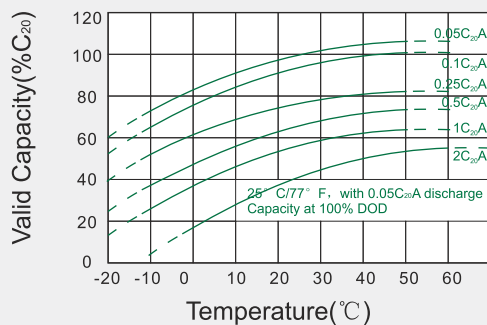
Cycle Life in Relation to Depth of Discharge



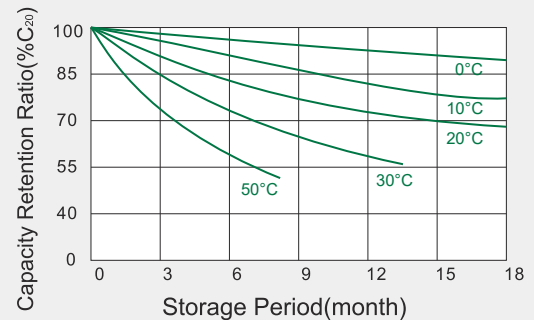
Float Service Life



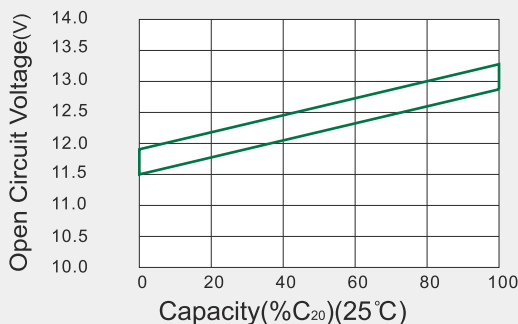
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

