

GFM-200Ah

Valve-regulated Lead Acid Battery Specification

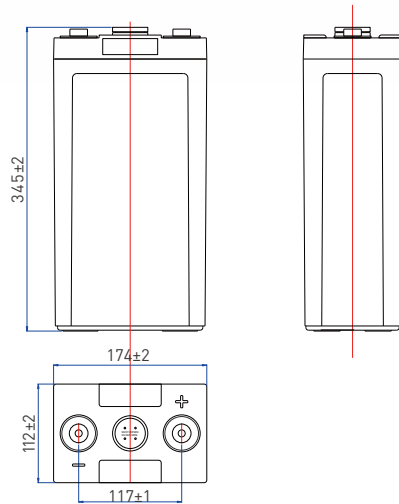
Features

- 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	200Ah@10hr-rate to 1.80V per cell @25°C
Reference Capacity	C10 200.0AH C3 147.6AH C1 107.6AH
Internal Resistance	Approx. 0.65 mΩ
Weight	13.01kg
Initial Current	50A
Terminal	F10(M8)
Design Life	10~15 years
Float Charging Voltage	2.23 V~2.27 V @ 25°C Temperature Compensation: -3.3mV/°C/Cell
Cycle Use Voltage	2.35 V~2.40 V @ 25°C Temperature Compensation: -5mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~50°C Charge: -10°C~50°C Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Length	174±2mm (6.9 inches)
Width	112±1mm (4.4 inches)
Height	335±1mm (13.2 inches)
Total Height	345±1mm (13.6 inches)

Constant Current Discharge Characteristics: A(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	284.0	240.6	205.9	179.3	146.9	116.8	94.4	49.2	32.6	20.0	10.5
1.75V/cell	331.9	275.7	233.0	198.7	159.8	126.4	101.6	50.0	34.2	20.4	10.6
1.70V/cell	379.9	311.7	257.5	218.5	173.6	135.0	107.6	52.2	35.6	20.9	10.9
1.65V/cell	407.8	333.2	274.0	231.0	181.9	140.4	111.8	53.9	36.6	21.2	11.0
1.60V/cell	473.0	377.3	308.0	257.5	199.0	151.8	120.0	56.1	38.3	21.9	11.4

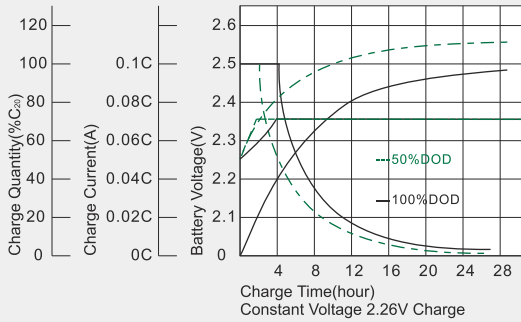
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	516.6	441.6	381.2	334.8	277.2	223.9	182.1	95.9	63.9	39.7	20.9
1.75V/cell	591.0	498.0	426.0	367.5	299.0	240.1	195.1	97.0	66.8	40.5	21.1
1.70V/cell	657.7	550.2	464.3	401.1	323.1	255.5	205.8	101.1	69.4	41.4	21.6
1.65V/cell	696.1	582.9	490.2	420.8	335.8	263.2	212.4	103.9	71.1	42.0	21.9
1.60V/cell	788.8	645.2	542.0	464.1	364.8	283.2	226.8	107.8	74.2	43.3	22.5

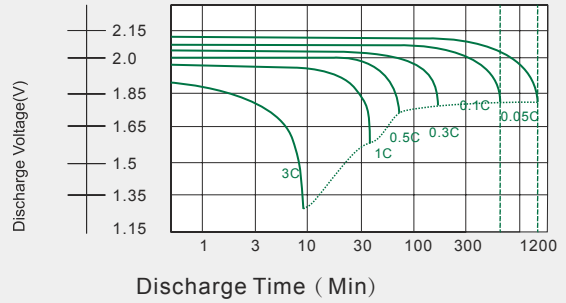
GFM-200Ah

Valve-regulated Lead Acid Battery Specification

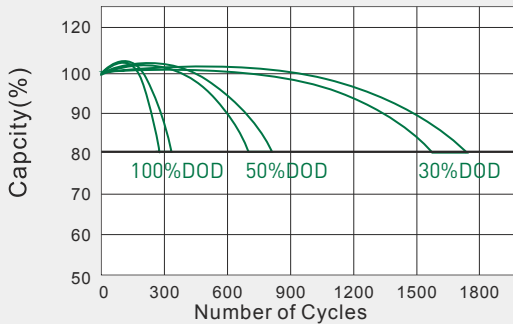
Charge Characteristics for Float Use @ 25°C/77°F



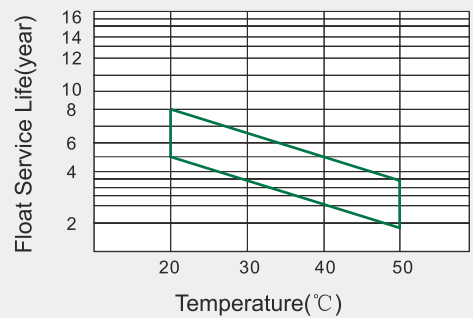
Discharge Characteristics at Various Rates @ 25°C/77°F



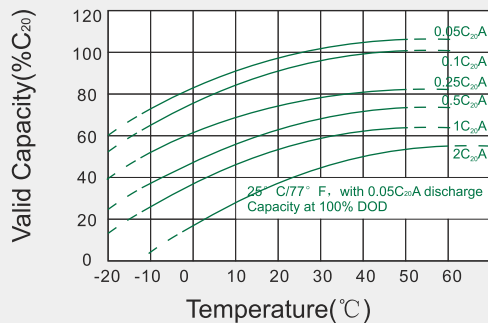
Cycle Life in Relation to Depth of Discharge



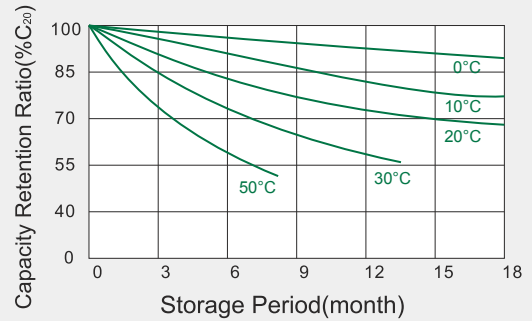
Float Service Life



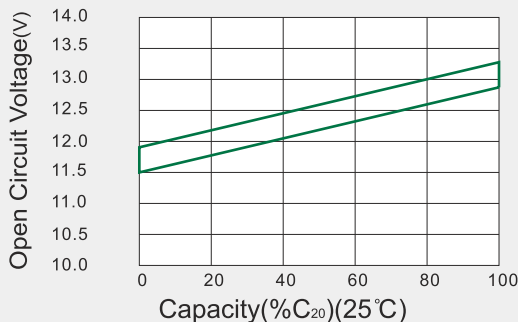
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

