

GFM-1000Ah

Valve-regulated Lead Acid Battery Specification

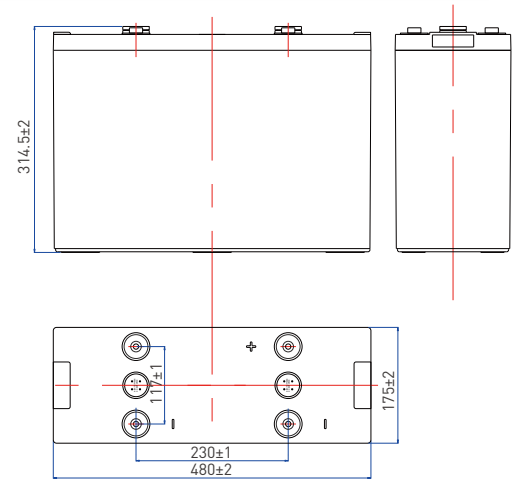
Features

- 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	2Cells
Capacity	1000Ah@10hr-rate to 1.80V per cell @25°C
Reference Capacity	C10 1000AH
	C3 738AH
	C1 508AH
Internal Resistance	Approx. 0.32 mΩ
Weight	59.71kg
Initial Current	250A
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	480.0±2 mm (18.9 inches)
Width	175.0±2 mm (6.9 inches)
Height	332.0±2 mm (13.1 inches)
Total Height	341.5±2 mm (13.4 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	1420.0	1203.0	1029.7	896.6	734.5	583.9	472.1	246.0	163.0	100.0	52.5
1.75V/cell	1659.7	1378.5	1165.0	993.6	799.0	632.1	508.0	250.0	171.0	102.0	53.2
1.70V/cell	1899.3	1558.3	1287.6	1092.6	868.2	675.2	537.8	261.0	177.9	104.5	54.3
1.65V/cell	\	1666.0	1369.9	1154.9	909.7	701.8	558.8	269.3	182.8	106.2	55.2
1.60V/cell	\	1886.7	1539.9	1287.6	995.0	759.1	600.0	280.7	191.3	109.6	56.9

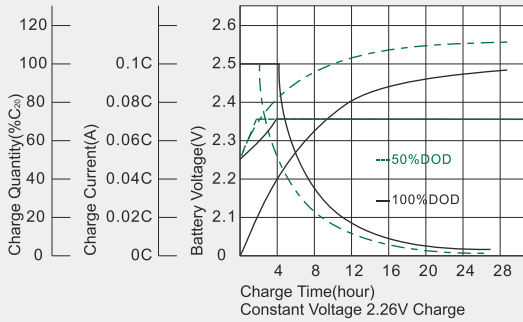
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	2582.9	2208.1	1905.9	1674.2	1385.9	1119.5	910.5	479.3	319.7	198.6	104.4
1.75V/cell	2954.9	2489.9	2129.9	1837.6	1495.2	1200.3	975.3	485.2	334.2	202.3	105.6
1.70V/cell	3288.3	2751.1	2321.5	2005.7	1615.7	1277.4	1029.2	505.6	347.2	207.1	107.8
1.65V/cell	\	2914.5	2451.1	2104.2	1679.2	1315.8	1061.8	519.5	355.5	210.2	109.4
1.60V/cell	\	3225.9	2709.8	2320.6	1823.9	1415.8	1134.0	538.9	370.8	216.5	112.6

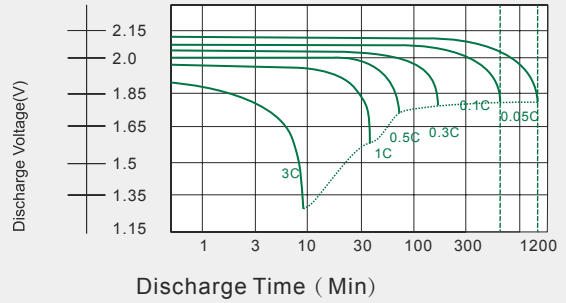
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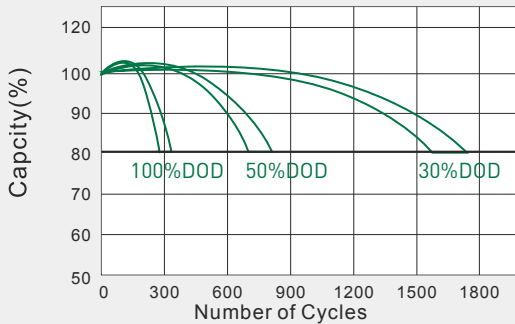
Charge Characteristics for Float Use @ 25°C/77°F



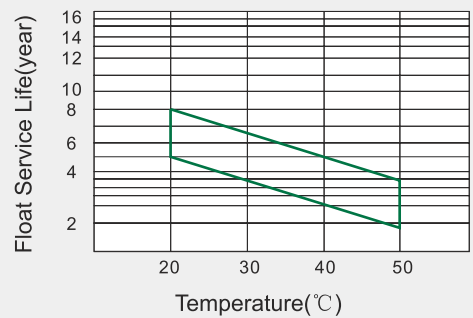
Discharge Characteristics at Various Rates @ 25°C/77°F



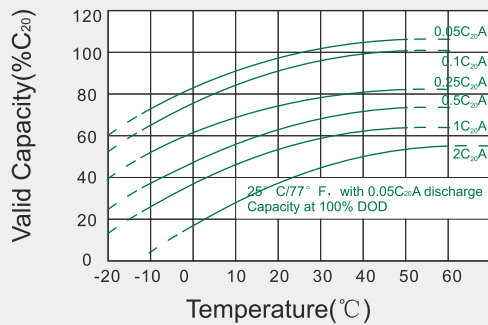
Cycle Life in Relation to Depth of Discharge



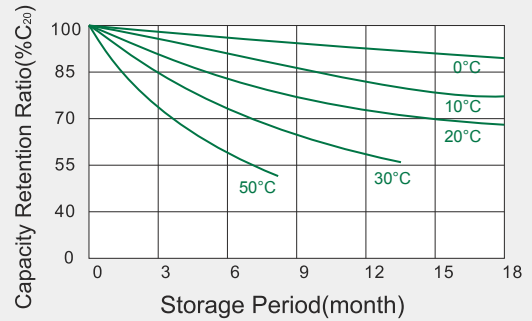
Float Service Life



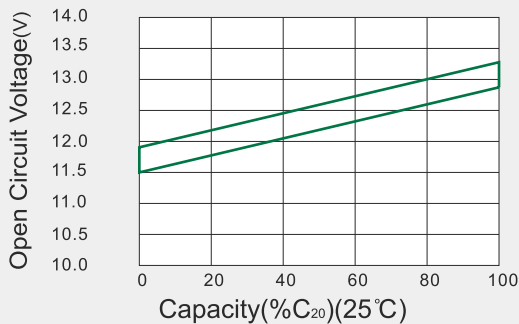
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

