

GFM-1500Ah

Valve-regulated Lead Acid Battery Specification

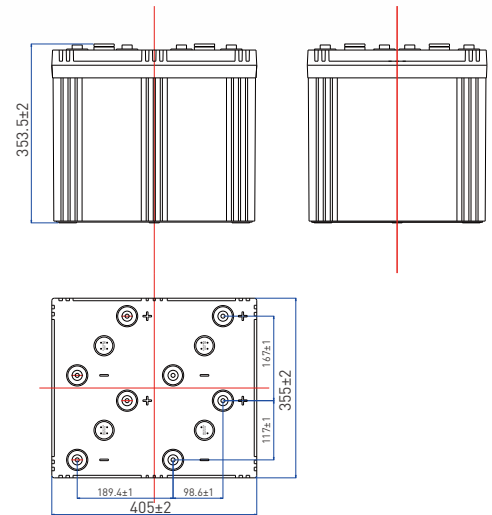
Application

- 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	4Cells
Capacity	1500Ah@10hr-rate to 1.80V per cell @25°C
Reference Capacity	C10 1500AH C3 1107.9AH C1 762AH
Internal Resistance	Approx. 0.26 mΩ
Weight	94.17kg
Initial Current	375A
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	405.0±2 mm (15.9 inches)
Width	355.0±2 mm (14.0 inches)
Height	343.0±2 mm (13.5 inches)
Total Height	353.5±2 mm (13.9 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	\	1804.5	1544.6	1344.9	1101.8	875.9	708.2	369.0	244.5	150.0	78.8
1.75V/cell	\	\	1747.4	1490.3	1198.5	948.1	762.0	375.0	256.5	153.0	79.8
1.70V/cell	\	\	\	1638.9	1302.3	1012.7	806.7	391.5	266.9	156.8	81.5
1.65V/cell	\	\	\	1732.3	1364.6	1052.7	838.2	404.0	274.2	159.3	82.8
1.60V/cell	\	\	\	\	1492.6	1138.7	900.0	421.0	286.9	164.4	85.4

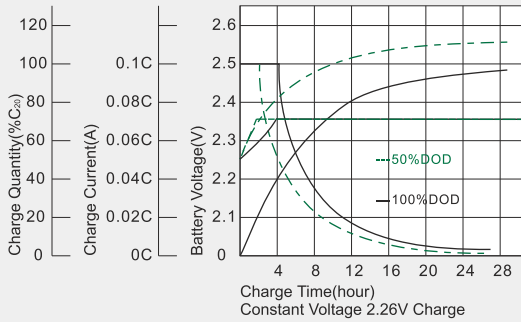
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	\	3312.1	2858.9	2511.3	2078.9	1679.3	1365.8	718.9	479.5	297.9	156.6
1.75V/cell	\	\	3194.8	2756.4	2242.8	1800.4	1463.0	727.7	501.4	303.5	158.4
1.70V/cell	\	\	\	3008.6	2423.6	1916.1	1543.8	758.3	520.8	310.7	161.6
1.65V/cell	\	\	\	3156.3	2518.7	1973.8	1592.7	779.2	533.2	315.3	164.2
1.60V/cell	\	\	\	\	2735.9	2123.6	1701.0	808.3	556.1	324.8	168.9

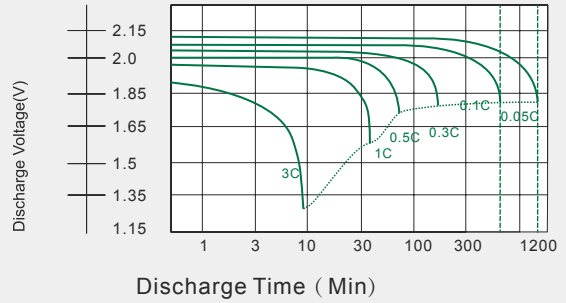
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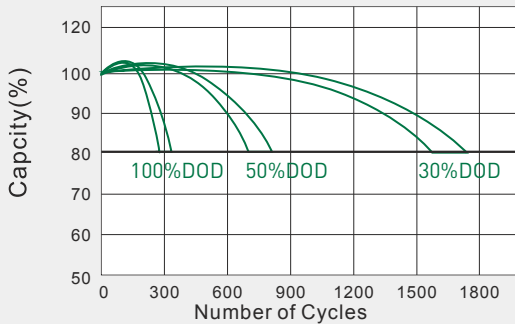
Charge Characteristics for Float Use @ 25°C/77°F



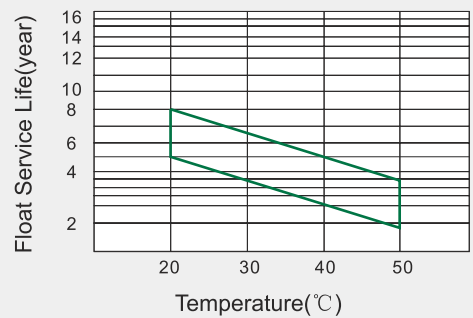
Discharge Characteristics at Various Rates @ 25°C/77°F



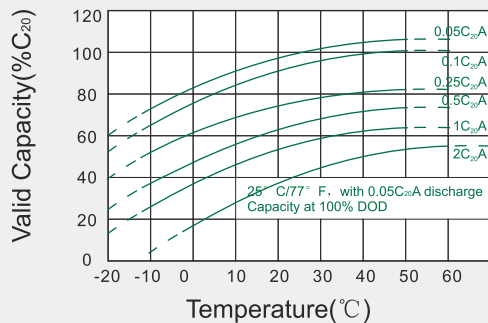
Cycle Life in Relation to Depth of Discharge



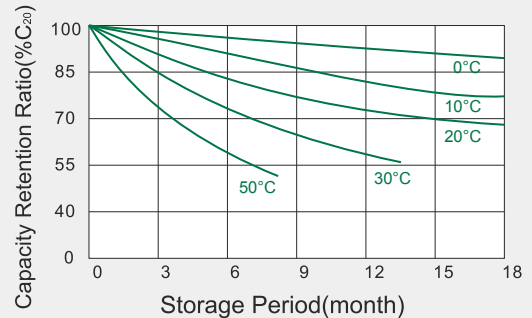
Float Service Life



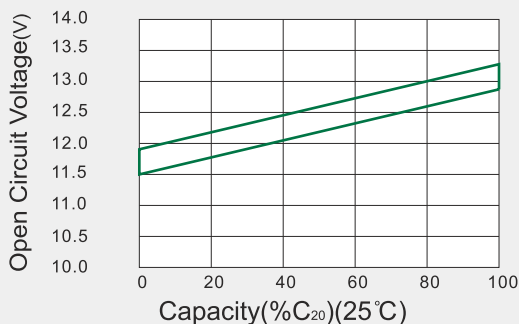
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

