6-GFM-150

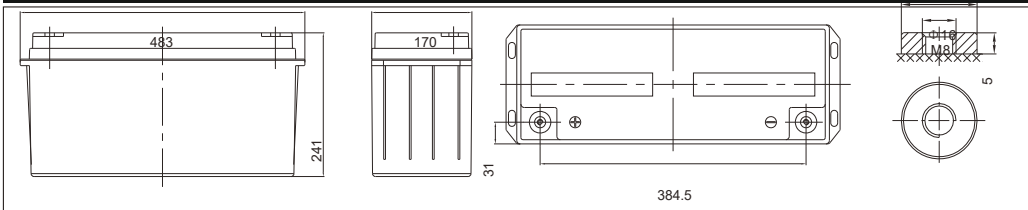
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	150Ah@10hr-rate to 1.80V per cell @25℃
Weight	36.5kg
Internal Resistance	Approx. 4 mΩ
Terminal	F1/F2
Max. Discharge Current	2250A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	37.5A
Reference Capacity	C10 150AH C3 108.7AH C1 82.4AH
Float Charging Voltage	13.6 V~13.8 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25℃ Temperature Compensation: -4mV/℃/Cell
Operating Temperature Range	Discharge: -40℃~60℃ Charge: -20℃~50℃ Storage: -40℃~60℃
Normal Operating Temperature Range	25℃±5℃
Self Discharge	Less than 3% at 25℃ per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

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

Dimensions



F12 Terminal

Length	483±1mm (19.0 inches)
Width	170±1mm (6.69 inches)
Height	241±1mm (9.49 inches)
Total Height	241±1mm (9.49 inches)

Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25℃)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	205.2	137.5	83.8	50.2	34.7	28.4	23.3	16.0	13.5	8.25
1.65V	201.0	136.4	83.5	49.8	34.5	28.3	23.1	15.9	13.4	7.95
1.70V	197.9	135.5	82.7	49.4	34.3	28.2	23.0	15.8	13.3	7.73
1.75V	190.6	133.4	81.9	49.0	34.1	27.9	22.7	15.6	13.2	7.50
1.80V	177.7	128.8	80.0	48.2	33.2	27.2	22.3	15.4	13.0	7.05
1.85V	161.3	121.8	76.0	46.0	31.8	25.9	21.3	14.7	12.6	6.75

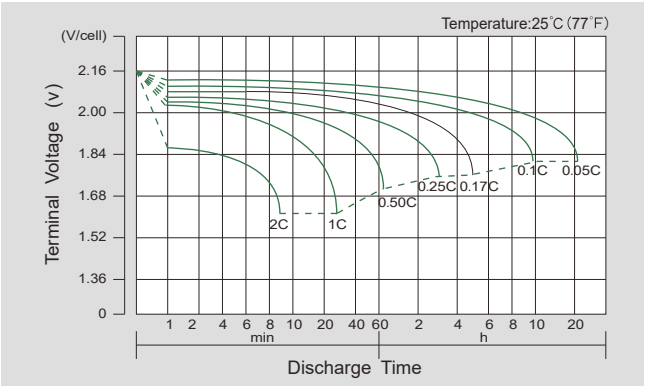
Constant Power Discharge Characteristics : WPC(25℃)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	376	261	161	98.6	68.8	56.5	46.3	31.9	27.0	14.6
1.65V	370	258	161	98.0	68.8	56.4	46.1	31.7	26.8	14.3
1.70V	366	259	160	97.4	68.5	56.3	46.0	31.5	26.6	14.1
1.75V	353	255	158	96.7	68.2	55.7	45.4	31.3	26.3	13.8
1.80V	330	247	155	95.5	66.4	54.5	44.6	30.7	26.1	13.5
1.85V	301	234	149	92.0	63.5	51.8	42.7	29.4	25.3	12.7

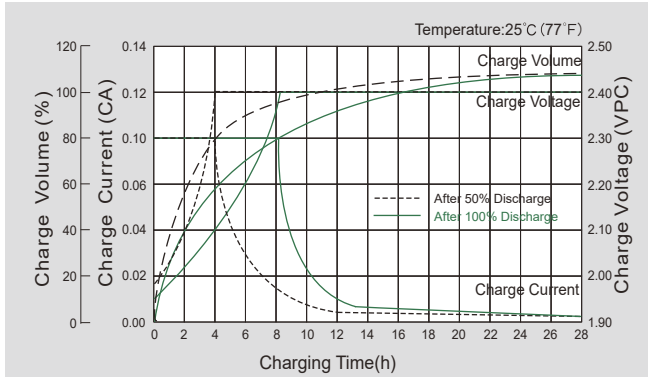
Note:The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

6-GFM-150

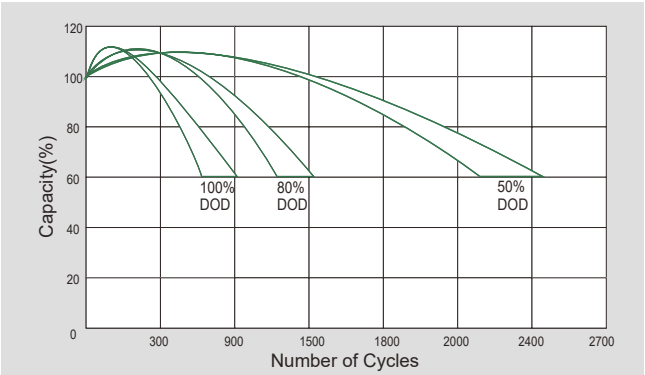
Discharge Characteristics Curve



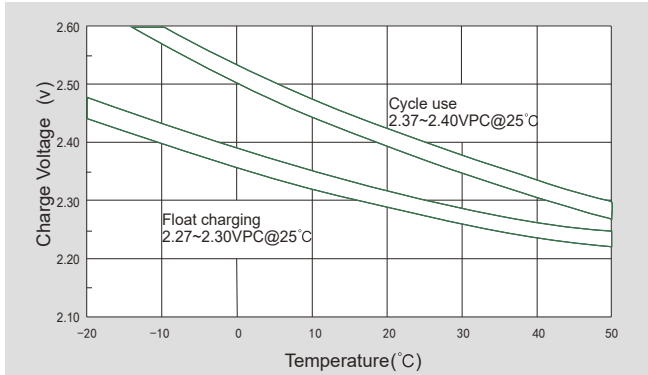
Charge Characteristic Curve for Cycle Use(IU)



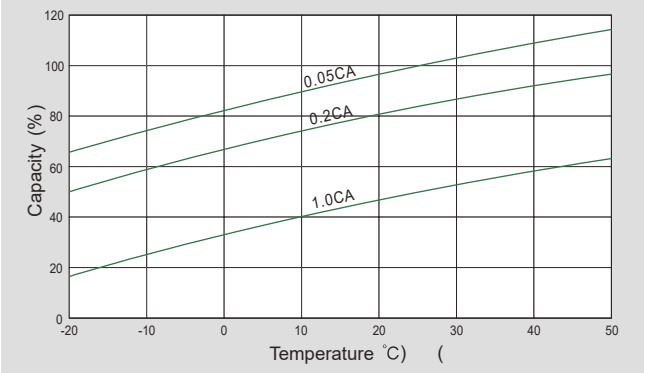
Cycle Life in Relation to Depth of Discharge



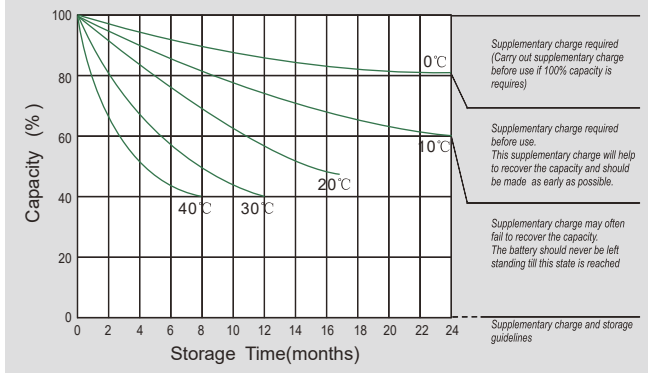
Relationship Between Charging Voltage and Temperature



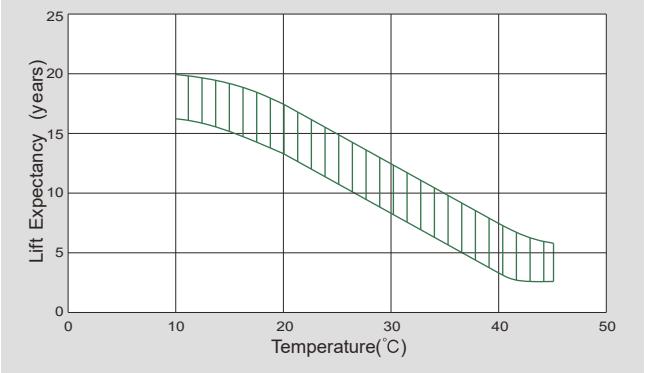
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20℃)