

6-GFM(G)-60Ah

Gel Battery Specification

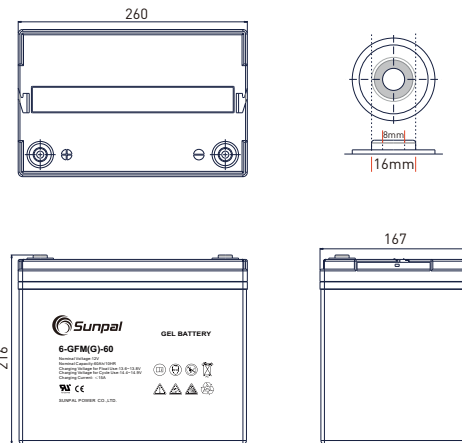
Application

- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life



Specification

Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	60Ah@10hr-rate to 1.80V per cell @25°C
Weight	21.5kg
Internal Resistance	Approx. 6.5 mΩ
Terminal	F1 / F2
Max. Discharge Current	900A(5s)
Short Circuit Current	3000A
Max. Charging Current	15A
Reference Capacity	C10 60.0AH C3 43.4AH C1 33.0AH
Design Life	10~15 years
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -20mV/°C/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25°C Temperature Compensation: -30mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°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	260±2mm (10.2 inches)
Width	167±1mm (6.6 inches)
Height	213±1mm (8.4 inches)
Total Height	216±1mm (8.5 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	63.73	48.81	36.75	30.82	19.20	14.48	10.14	8.74	6.97	6.00	3.29
1.75V/cell	71.63	53.75	39.71	33.02	20.29	15.25	10.53	9.05	7.20	6.12	3.36
1.70V/cell	77.22	57.48	42.23	34.88	21.50	15.90	10.86	9.37	7.40	6.26	3.40
1.65V/cell	80.40	59.78	43.66	36.20	22.05	16.45	11.08	9.52	7.52	6.34	3.43
1.60V/cell	87.09	63.95	46.95	38.39	22.93	17.11	11.41	9.75	7.66	6.46	3.48

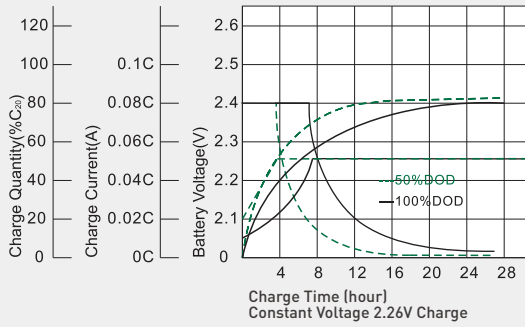
Constant Power Discharge Characteristics: WPC[25°C]

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	120.44	93.24	70.75	59.67	37.29	28.19	19.96	17.22	13.82	11.96	6.56
1.75V/cell	133.93	101.57	76.01	63.51	39.38	29.73	20.62	17.77	14.26	12.18	6.68
1.70V/cell	142.71	107.82	80.07	66.80	41.57	30.93	21.28	18.43	14.59	12.39	6.76
1.65V/cell	146.76	110.90	82.38	68.99	42.34	31.70	21.61	18.65	14.81	12.61	6.82
1.60V/cell	157.29	117.59	87.75	72.83	43.88	32.91	22.27	19.09	15.03	12.83	6.91

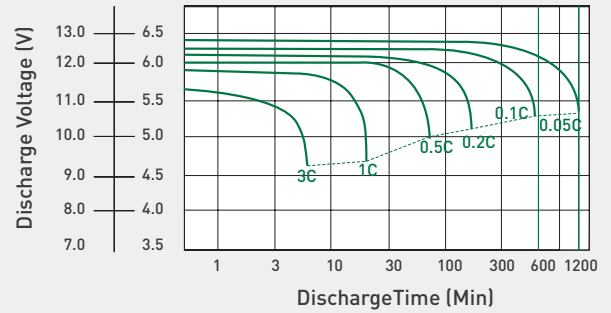
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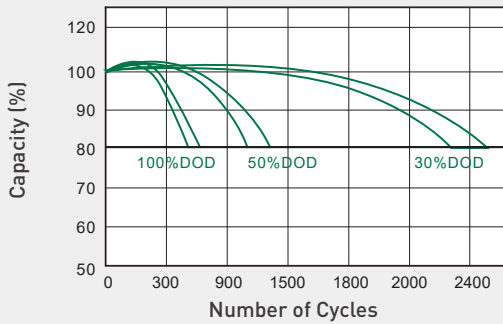
Charge Characteristics for Float Use @ 25°C/77°F



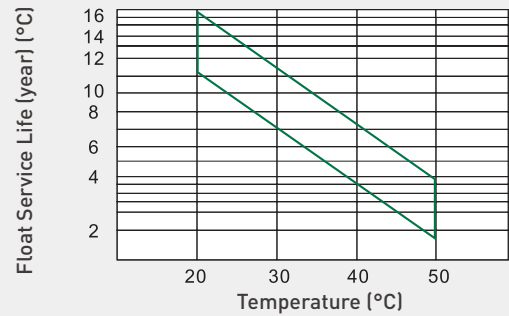
Discharge Characteristics at Various Rates @ 25°C/77°F



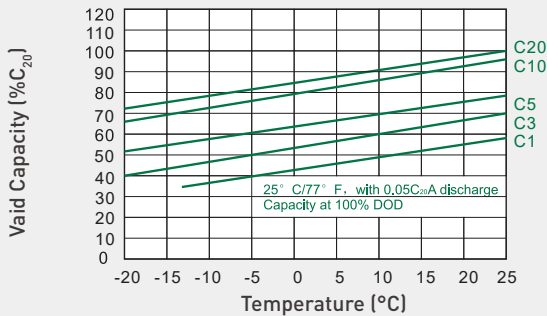
Cycle Life in Relation to Depth of Discharge



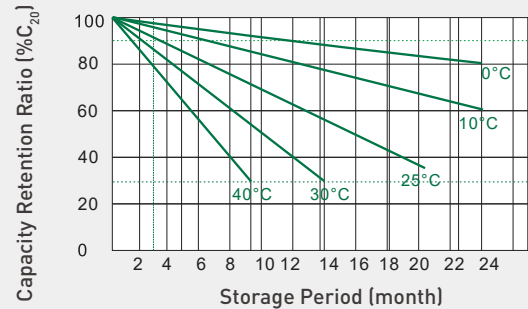
Float Service Life



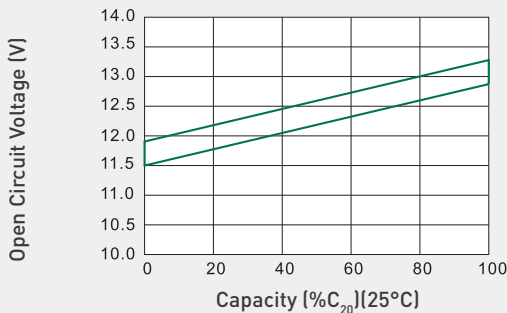
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

