

6-GFM(G)-250Ah

Gel Battery Specification

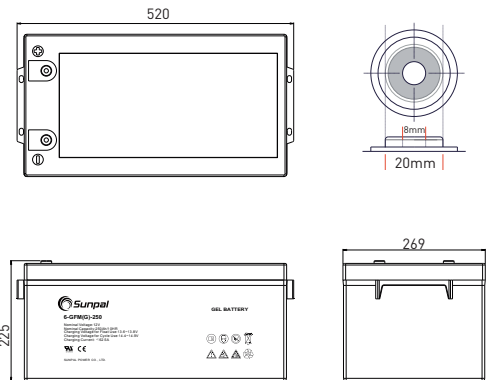
Features

- 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	250Ah@10hr-rate to 1.80V per cell @25°C
Weight	70.0kg
Internal Resistance	Approx. 2.5mΩ
Terminal	F1 / F2
Max. Discharge Current	3750A(5s)
Short Circuit Current	12500A
Max. Charging Current	62.5A
Reference Capacity	C10 250.0AH C3 181.0AH C1 137.6AH
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	520±2mm (20.6 inches)
Width	269±1mm (10.6 inches)
Height	220±1mm (8.7 inches)
Total Height	225±1mm (8.8 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	266.21	203.85	153.43	128.57	79.95	60.30	42.31	36.54	29.12	25.00	13.74
1.75V/cell	299.18	224.18	165.93	137.64	84.75	63.74	43.96	37.77	30.08	25.55	14.01
1.70V/cell	322.25	240.11	176.24	145.60	89.84	66.35	45.33	39.15	30.91	26.10	14.15
1.65V/cell	335.44	249.45	182.42	151.10	92.17	68.54	46.29	39.70	31.46	26.51	14.29
1.60V/cell	363.46	267.03	196.02	160.44	95.88	71.29	47.66	40.66	32.01	26.92	14.56

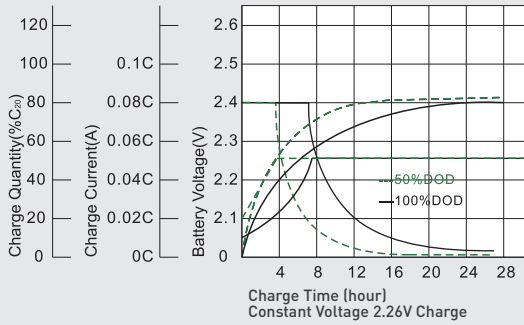
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	502.88	389.15	295.47	249.04	155.63	117.86	83.24	71.98	57.69	49.86	27.34
1.75V/cell	558.93	424.04	317.03	265.25	164.29	124.18	86.13	74.31	59.48	50.82	27.88
1.70V/cell	595.47	450.27	334.20	278.98	173.35	128.98	88.60	76.79	61.13	51.92	28.16
1.65V/cell	612.91	462.91	343.68	287.91	176.92	132.42	90.25	77.88	61.95	52.47	28.43
1.60V/cell	656.73	490.80	366.48	303.98	183.24	137.09	92.72	79.40	62.91	53.43	28.85

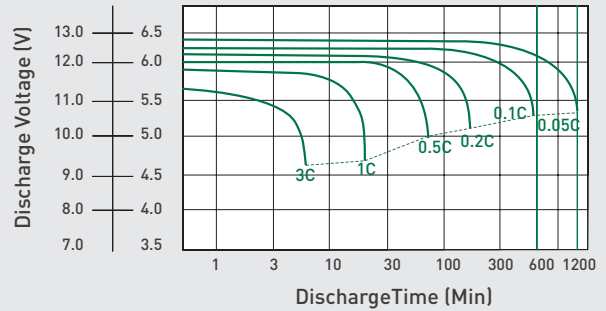
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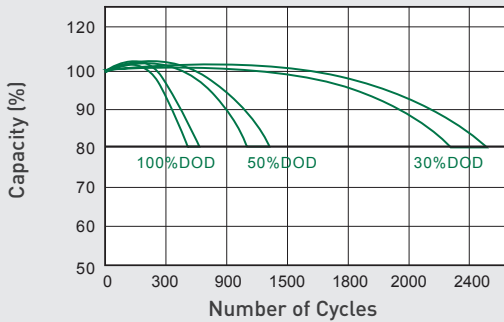
Charge Characteristics for Float Use @ 25°C/77°F



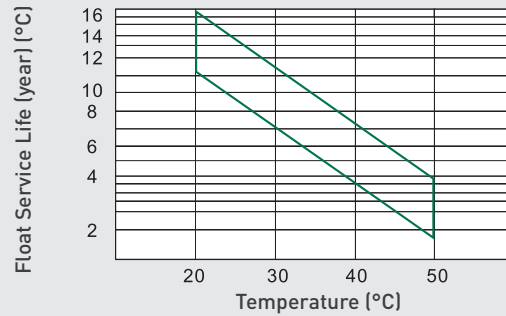
Discharge Characteristics at Various Rates @ 25°C/77°F



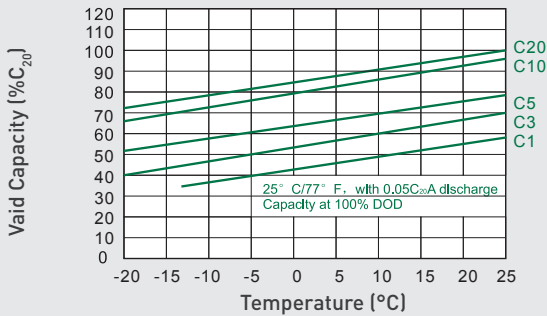
Cycle Life in Relation to Depth of Discharge



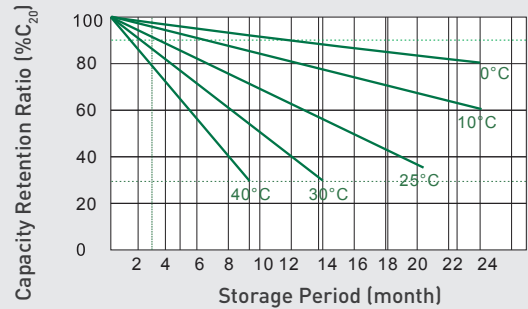
Float Service Life



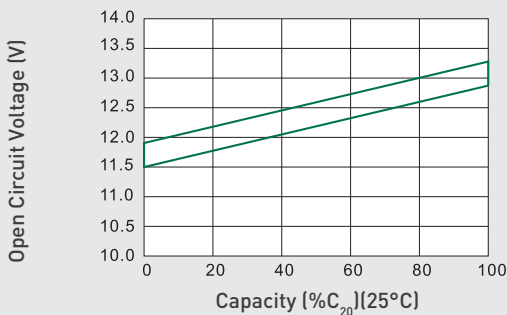
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

