

6-GFM(G)-65Ah

Gel Battery Specification

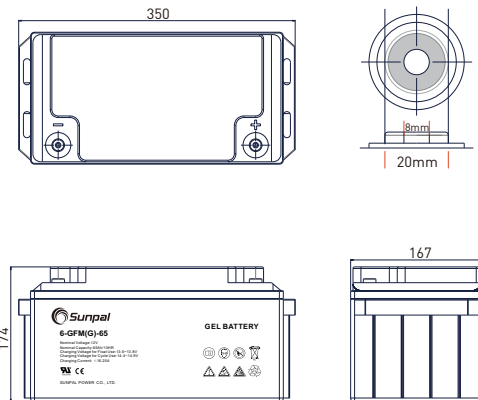
Application

- 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	65Ah@10hr-rate to 1.80V per cell @25°C
Weight	23kg
Internal Resistance	Approx. 6.5 mΩ
Terminal	F1 / F2
Max. Discharge Current	975A(5s)
Short Circuit Current	3250A
Max. Charging Current	16.25A
Reference Capacity	C10 65.0AH C3 47.1AH C1 35.8AH
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	350±2mm (13.8 inches)
Width	167±1mm (6.6 inches)
Height	174±1mm (6.9 inches)
Total Height	174±1mm (6.9 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	69.08	52.88	39.84	33.42	20.78	15.69	11.00	9.47	7.55	6.50	3.57
1.75V/cell	77.63	58.17	43.10	35.76	22.01	16.50	11.41	9.81	7.79	6.63	3.64
1.70V/cell	83.64	62.35	45.74	37.80	23.33	17.22	11.82	10.15	8.03	6.79	3.69
1.65V/cell	87.11	64.80	47.37	39.22	23.94	17.83	12.02	10.29	8.15	6.87	3.72
1.60V/cell	94.34	69.28	50.84	41.67	24.86	18.54	12.43	10.60	8.29	7.00	3.77

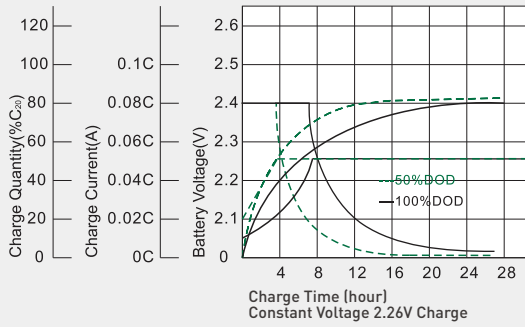
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	130.51	101.07	76.72	64.69	40.34	30.56	21.60	18.75	14.98	12.94	7.11
1.75V/cell	145.08	110.03	82.32	68.87	42.69	32.19	22.41	19.36	15.38	13.14	7.24
1.70V/cell	154.55	116.86	86.80	72.44	45.03	33.52	23.03	19.97	15.89	13.45	7.33
1.65V/cell	159.14	120.12	89.25	74.68	45.95	34.44	23.43	20.17	16.10	13.65	7.39
1.60V/cell	170.45	127.45	95.16	78.96	47.58	35.56	24.04	20.58	16.30	13.86	7.49

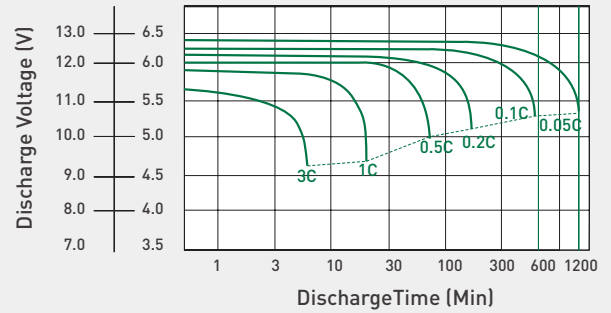
6-GFM(G)-65Ah

Gel Battery Specification

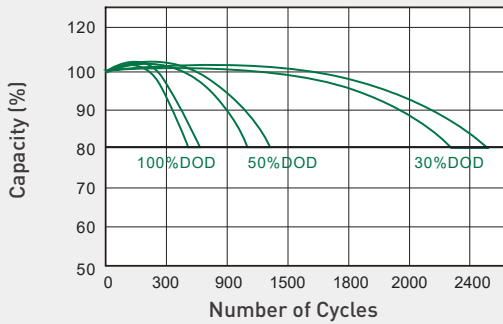
Charge Characteristics for Float Use @ 25°C/77°F



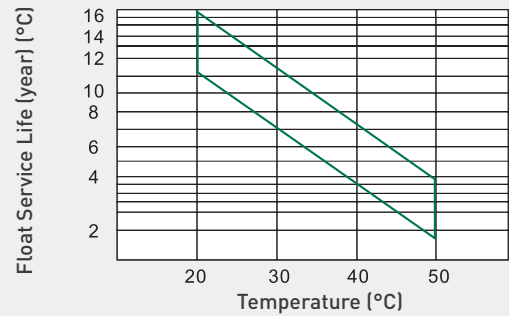
Discharge Characteristics at Various Rates @ 25°C/77°F



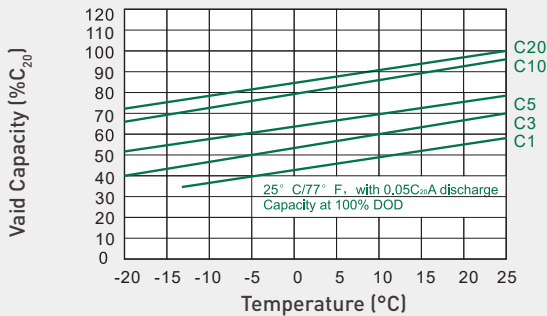
Cycle Life in Relation to Depth of Discharge



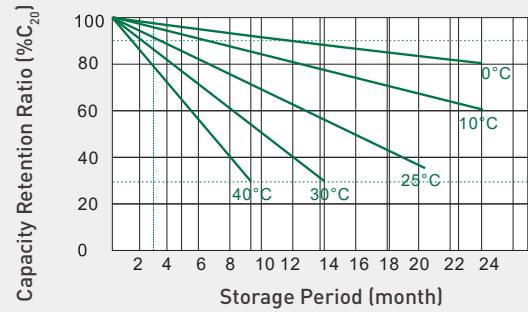
Float Service Life



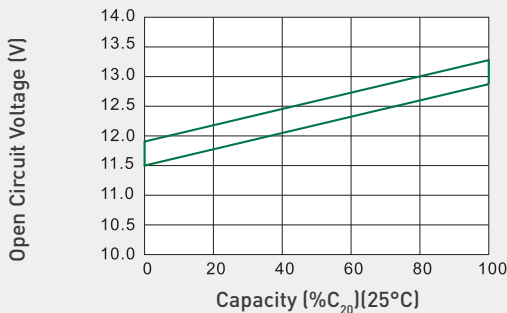
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

