

6-GFM(G)-100Ah

Gel Battery Specification

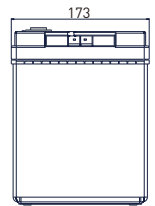
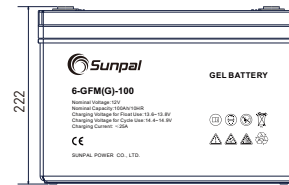
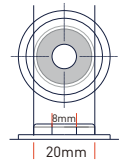
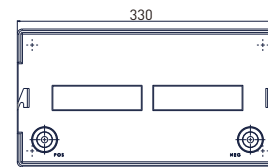
Features

- 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	100Ah@10 hr-rate to 1.80V per cell @25°C
Weight	30.8kg
Internal Resistance	Approx. 6mΩ
Terminal	F1 / F2
Max. Discharge Current	1500A(5s)
Short Circuit Current	5000A
Max. Charging Current	25A
Reference Capacity	C10 100.0AH C3 74.6AH C1 56.8AH
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	330±2mm (13.8 inches)
Width	173±1mm (6.8 inches)
Height	217±1mm (8.9 inches)
Total Height	222±1mm (8.7 inches)

Constant Current Discharge Characteristics: A(25°C)

F.V/Time	20min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	109.49	83.84	63.16	52.88	32.88	24.86	17.40	14.58	11.64	10.00	5.42
1.75V/cell	123.05	92.20	68.25	56.61	34.92	26.21	18.08	15.03	11.98	10.17	5.54
1.70V/cell	132.54	98.76	72.43	59.89	36.95	27.34	18.64	15.59	12.32	10.43	5.60
1.65V/cell	137.97	102.60	75.03	62.15	37.97	28.14	18.98	15.82	12.54	10.55	5.66
1.60V/cell	149.49	109.83	80.56	65.99	39.44	29.27	19.66	16.27	12.77	10.77	5.74

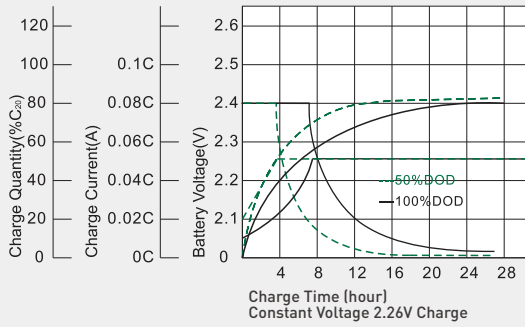
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	20min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	206.78	160.00	121.47	102.49	63.95	48.47	34.24	28.70	23.05	19.89	10.81
1.75V/cell	229.83	174.46	130.40	109.04	67.57	51.07	35.48	29.72	23.73	20.23	11.02
1.70V/cell	244.97	185.20	137.51	114.80	71.30	52.99	36.50	30.62	24.41	20.68	11.14
1.65V/cell	252.09	190.40	141.36	118.42	72.77	54.46	37.06	31.07	24.75	20.90	11.24
1.60V/cell	270.17	201.92	150.73	125.08	75.37	56.38	38.19	31.75	25.08	21.36	11.41

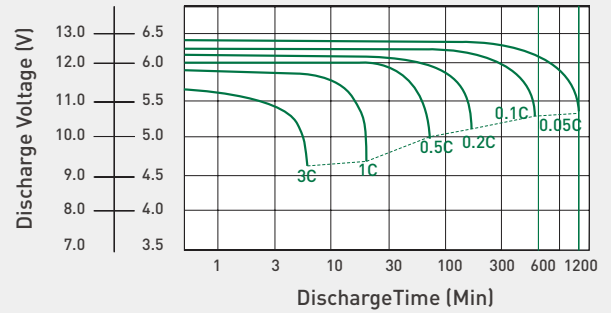
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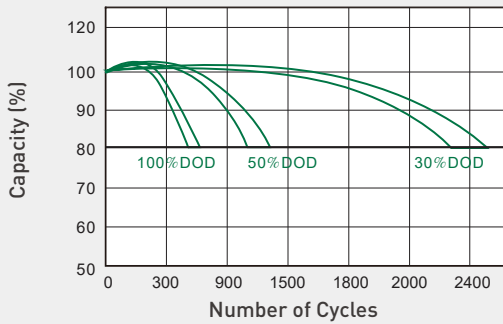
Charge Characteristics for Float Use @ 25°C/77°F



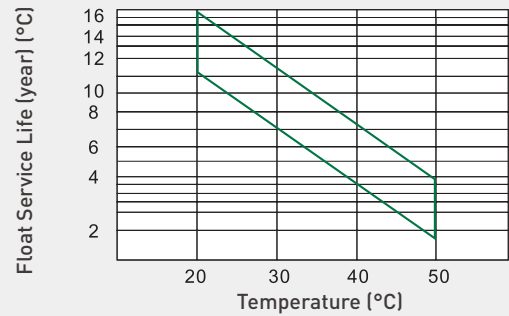
Discharge Characteristics at Various Rates @ 25°C/77°F



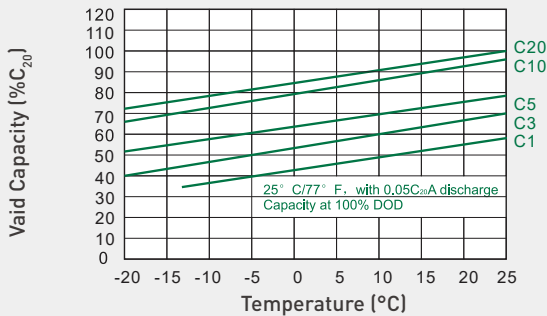
Cycle Life in Relation to Depth of Discharge



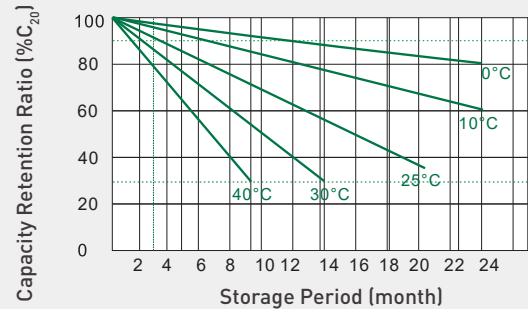
Float Service Life



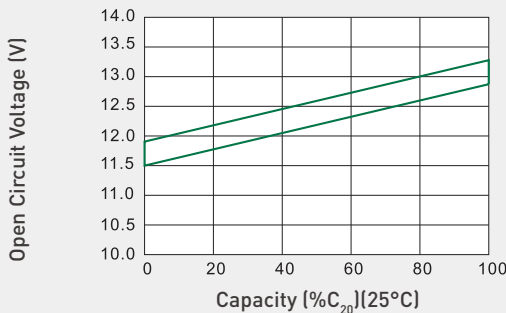
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

