

# 6-GFM(G)-230Ah

## Gel Battery Specification

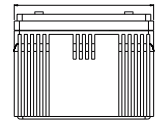
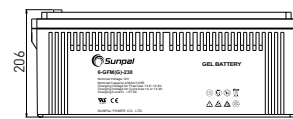
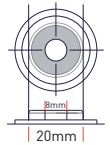
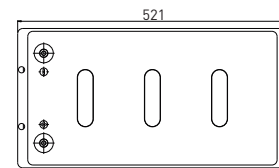
### Features

- 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	230Ah@10hr-rate to 1.80V per cell @25°C
Weight	63.5kg
Internal Resistance	Approx. 3mΩ
Terminal	F1 / F2
Max. Discharge Current	3450A(5s)
Short Circuit Current	11500A
Max. Charging Current	57.5A
Reference Capacity	C10 230.0AH C3 166.4AH C1 126.6AH
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	521±2mm (20.6 inches)
Width	269±1mm (10.6 inches)
Height	203±1mm (8.0 inches)
Total Height	206±1mm (8.1 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	244.91	187.54	141.16	118.29	73.55	55.48	38.92	33.62	26.79	23.00	12.64
1.75V/cell	275.24	206.24	152.66	126.63	77.97	58.64	40.44	34.75	27.68	23.51	12.89
1.70V/cell	296.47	220.90	162.14	133.96	82.65	61.04	41.70	36.02	28.43	24.01	13.02
1.65V/cell	308.60	229.49	167.82	139.01	84.80	63.06	42.59	36.52	28.94	24.39	13.14
1.60V/cell	334.38	245.67	180.34	147.60	88.21	65.59	43.85	37.41	29.45	24.77	13.40

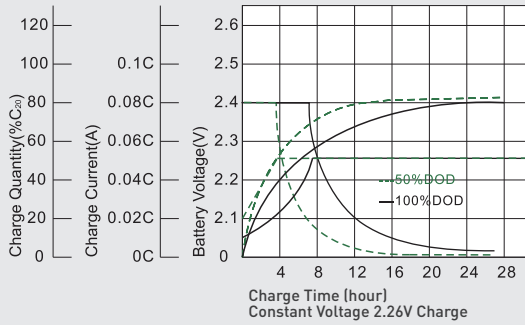
### Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	462.65	358.02	271.83	229.12	143.18	108.43	76.58	66.22	53.08	45.87	25.15
1.75V/cell	514.21	390.12	291.67	244.03	151.14	114.24	79.24	68.37	54.72	46.76	25.65
1.70V/cell	547.83	414.25	307.47	256.66	159.48	118.66	81.51	70.64	56.24	47.77	25.91
1.65V/cell	563.88	425.88	316.19	264.88	162.77	121.82	83.03	71.65	56.99	48.27	26.16
1.60V/cell	604.19	451.53	337.16	279.66	168.58	126.12	85.30	73.04	57.88	49.16	26.54

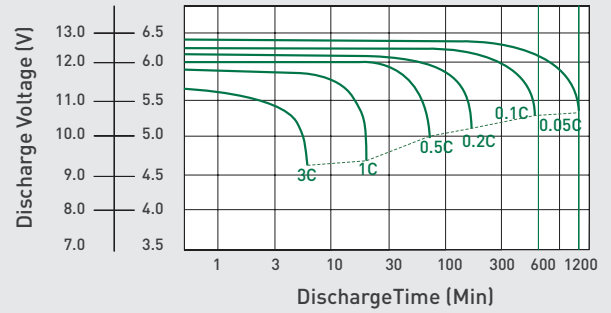
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## Gel Battery Specification

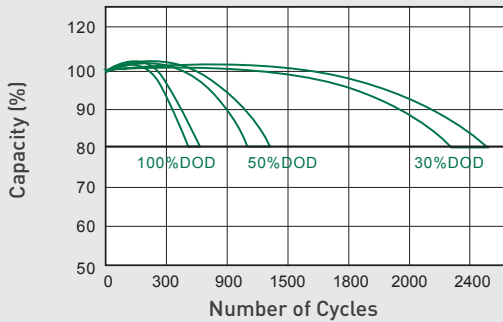
### Charge Characteristics for Float Use @ 25°C/77°F



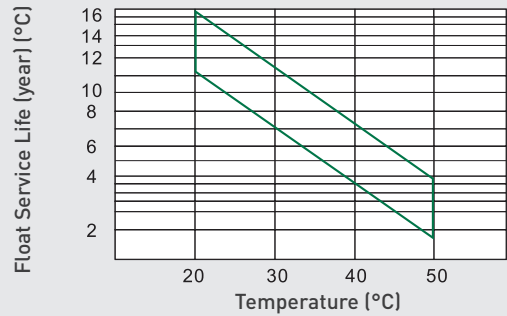
### Discharge Characteristics at Various Rates @ 25°C/77°F



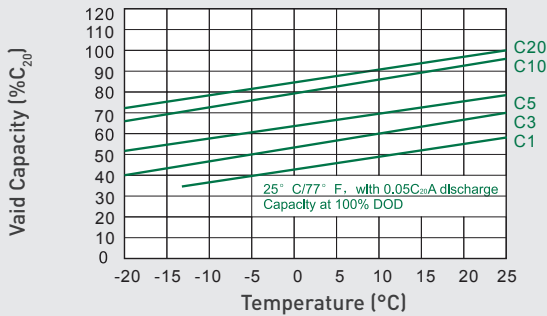
### Cycle Life in Relation to Depth of Discharge



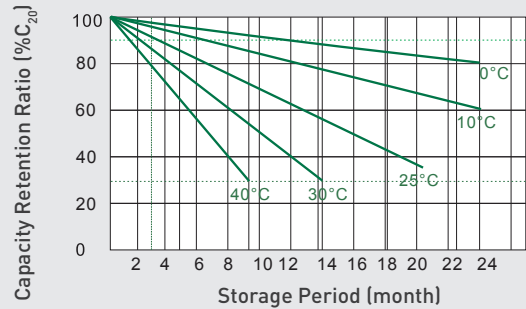
### Float Service Life



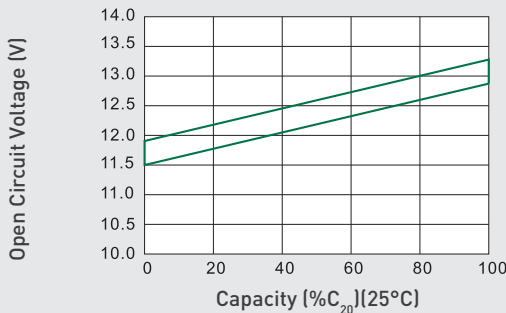
### Temperature and Valid Capacity



### Self Discharge Characteristics



### Capacity and Open Circuit Voltage



### Relationship between Charging Voltage and Temperature

