

# 6-GFM(G)-120Ah

## Gel Battery Specification

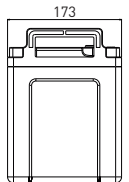
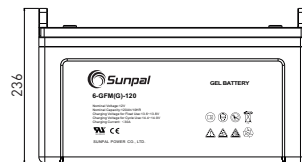
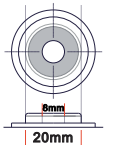
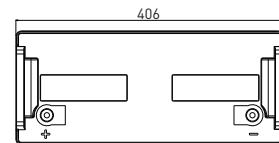
### Features

- 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	120Ah@10hr-rate to 1.80V per cell @25°C
Weight	35kg
Internal Resistance	Approx. 4.5mΩ
Terminal	F1 / F2
Max. Discharge Current	1800A(5s)
Short Circuit Current	6000A
Max. Charging Current	30A
Reference Capacity	C10 120.0AH C3 86.5AH C1 65.7AH
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	406±2mm (16.0 inches)
Width	173±1mm (6.8 inches)
Height	210±1mm (8.3 inches)
Total Height	236±1mm (9.3 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	127.06	97.31	73.21	61.31	38.12	28.84	20.17	17.45	13.92	12.00	6.55
1.75V/cell	142.79	106.99	79.16	65.65	40.44	30.45	20.97	18.05	14.32	12.20	6.69
1.70V/cell	153.78	114.55	84.10	69.48	42.86	31.66	21.68	18.66	14.72	12.50	6.77
1.65V/cell	160.03	118.99	87.03	72.10	43.97	32.67	22.08	18.96	15.03	12.61	6.84
1.60V/cell	173.45	127.46	93.48	76.54	45.78	33.98	22.79	19.46	15.23	12.91	6.94

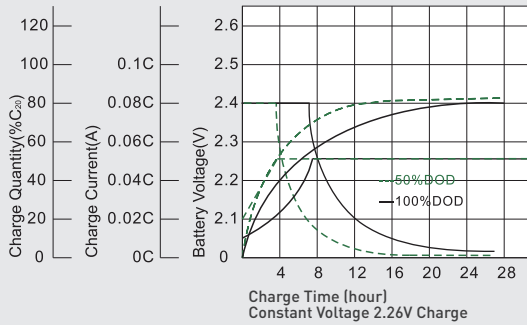
### Constant-current discharge parameter Unit: W[25°C]

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	240.00	185.65	140.97	118.79	74.22	56.17	39.73	34.39	27.53	23.80	13.11
1.75V/cell	266.72	202.39	151.36	126.55	78.45	59.29	41.14	35.50	28.34	24.20	13.31
1.70V/cell	284.17	214.79	159.53	133.11	82.69	61.51	42.25	36.61	29.14	24.81	13.51
1.65V/cell	292.44	220.84	164.07	137.34	84.40	63.23	43.06	37.11	29.55	25.01	13.61
1.60V/cell	313.41	234.15	174.86	145.11	87.43	65.45	44.27	37.92	29.95	25.51	13.71

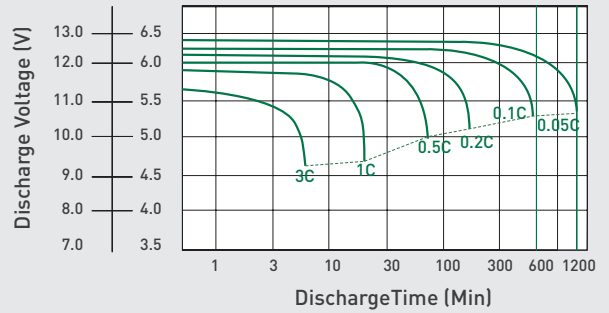
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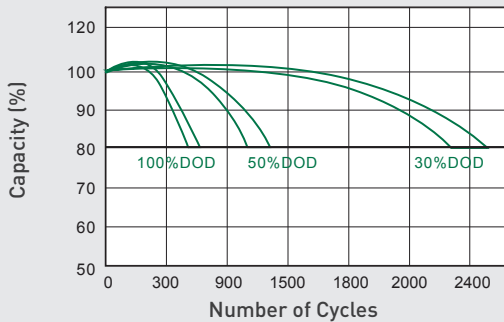
### Charge Characteristics for Float Use @ 25°C/77°F



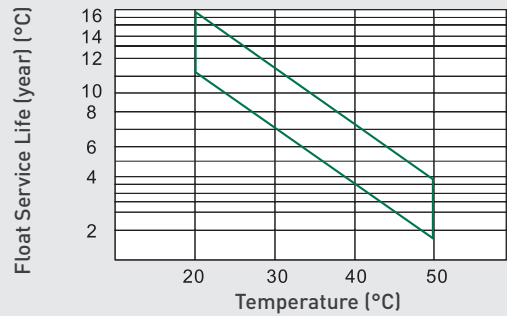
### Discharge Characteristics at Various Rates @ 25°C/77°F



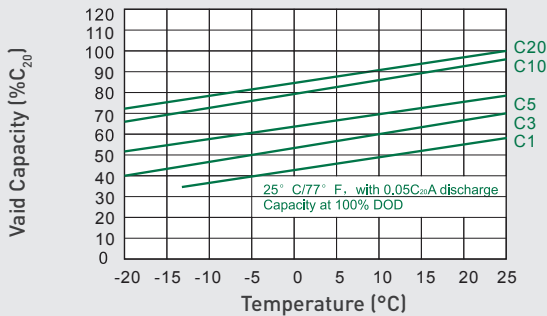
### Cycle Life in Relation to Depth of Discharge



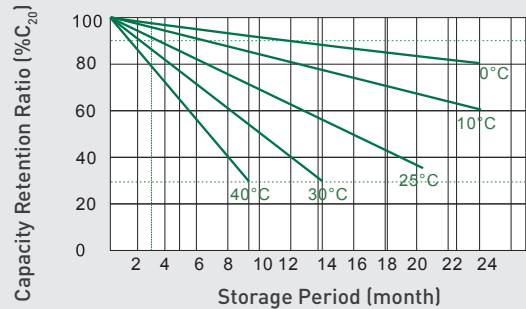
### Float Service Life



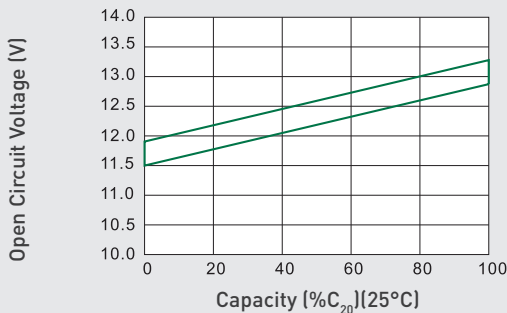
### Temperature and Valid Capacity



### Self Discharge Characteristics



### Capacity and Open Circuit Voltage



### Relationship between Charging Voltage and Temperature

