

# 6-GFM-110Ah

## Valve-regulated Lead Acid Battery Specification

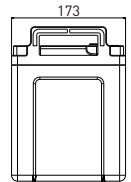
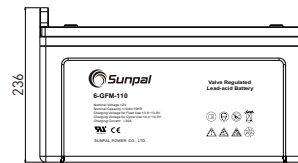
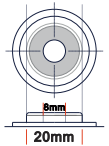
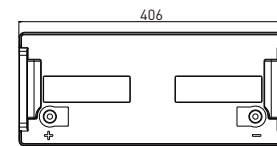
### Features

- 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	110Ah@10hr-rate to 1.80V per cell @25°C
Weight	33kg
Internal Resistance	Approx. 4.0 mΩ
Terminal	F8
Max. Discharge Current	1800A(5s)
Short Circuit Current	6000A
Max. Charging Current	30A
Reference Capacity	C10 110AH C3 92.1AH C1 66.3AH
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: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°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	275.7	206.3	165.9	135.7	107.7	80.4	63.3	30.7	20.1	11.0	6.24
1.75V/cell	310.8	226.7	181.2	146.0	111.9	83.3	66.3	31.2	20.7	12.1	6.31
1.70V/cell	342.3	247.1	193.5	153.5	116.4	86.7	68.4	32.1	21.2	12.2	6.43
1.65V/cell	377.5	266.7	205.7	163.1	122.8	88.9	70.7	33.5	21.7	12.5	6.51
1.60V/cell	416.3	289.5	220.0	173.7	129.6	92.7	73.2	34.5	22.5	12.6	6.55

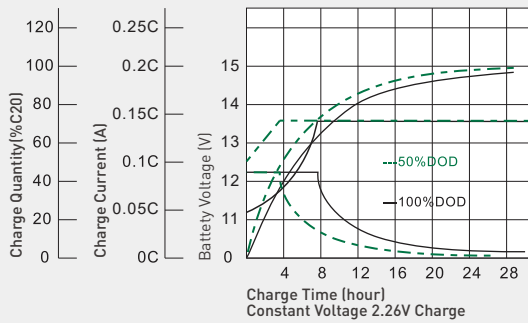
### Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	498.7	376.7	305.5	252.1	202.1	153.2	121.6	59.5	39.3	23.7	12.35
1.75V/cell	550.3	407.2	329.5	268.7	208.1	157.5	126.7	60.3	40.3	23.9	12.44
1.70V/cell	589.2	433.7	346.9	280.3	215.5	163.2	130.1	61.9	41.2	24.1	12.68
1.65V/cell	640.5	463.9	366.0	295.5	225.5	165.7	133.6	64.1	42.1	24.5	12.83
1.60V/cell	690.1	492.1	384.9	311.3	236.3	171.9	137.6	65.9	43.3	24.8	12.88

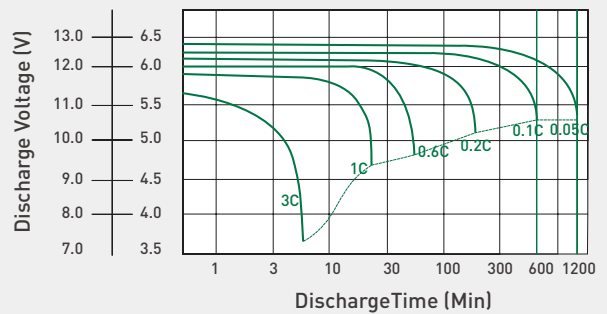
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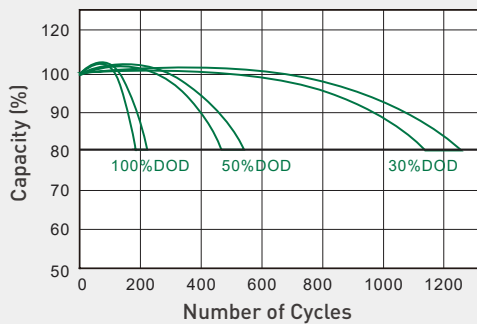
### Charge Characteristics for Float Use @ 25°C/77°F



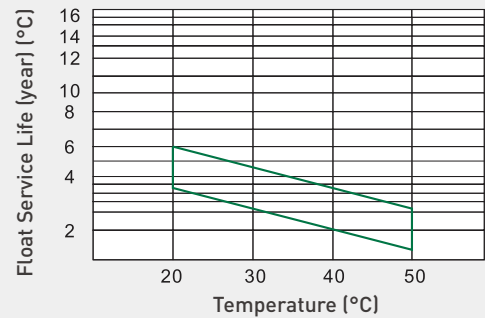
### Discharge Characteristics at Various Rates @ 25°C/77°F



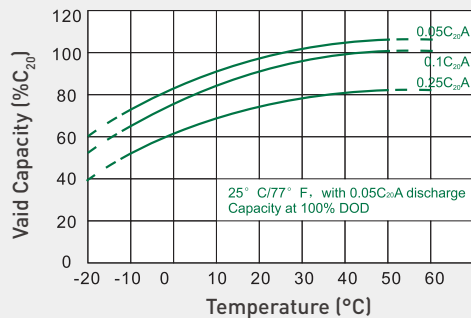
### Cycle Life in Relation to Depth of Discharge



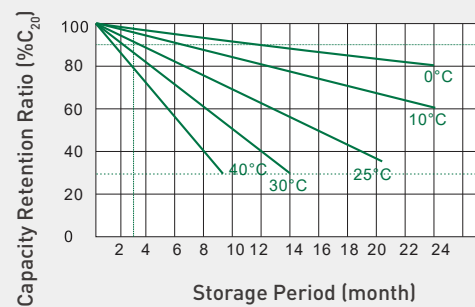
### Float Service Life



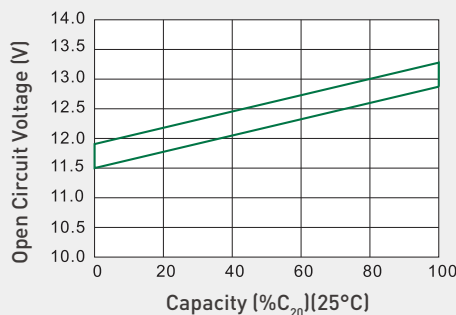
### Temperature and Valid Capacity



### Self Discharge Characteristics



### Capacity and Open Circuit Voltage



### Relationship between Charging Voltage and Temperature

