

6-GFM-230Ah

Valve-regulated Lead Acid Battery Specification

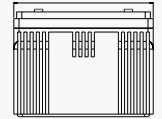
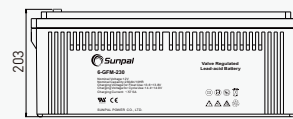
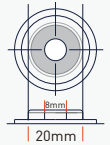
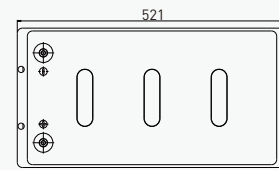
Application

- 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	230Ah@10hr-rate to 1.80V per cell @25°C
Weight	63.5kg
Internal Resistance	Approx. 2.5 mΩ
Terminal	F8
Max. Discharge Current	3450A(5s)
Short Circuit Current	11500A
Max. Charging Current	57.5A
Reference Capacity	C10 230.0AH C3 176.4AH C1 127.0AH
Design Life	6~8 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	521±2mm (20.5 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	528.5	395.3	317.9	260.2	206.5	154.1	121.4	58.8	38.6	23.0	12.0
1.75V/cell	595.7	434.4	347.3	279.8	214.4	159.7	127.0	59.8	39.6	23.2	12.1
1.70V/cell	656.0	473.5	370.8	294.1	223.1	166.1	131.1	61.6	40.6	23.5	12.3
1.65V/cell	723.5	511.1	394.3	312.5	235.4	170.5	135.4	64.1	41.7	23.9	12.5
1.60V/cell	797.8	554.8	421.7	333.0	248.4	177.6	140.3	66.2	43.2	24.2	12.5

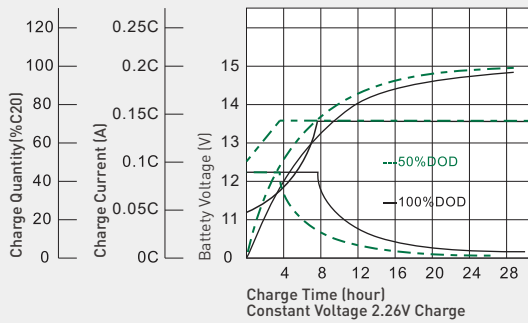
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	955.8	721.9	585.5	483.3	387.4	293.6	233.1	114.0	75.4	45.5	23.7
1.75V/cell	1054.7	780.5	631.5	514.9	398.9	301.8	242.8	115.5	77.2	45.7	23.8
1.70V/cell	1129.3	831.3	665.0	537.2	413.0	312.8	249.4	118.6	79.0	46.3	24.3
1.65V/cell	1227.7	889.1	701.5	566.3	432.1	317.7	256.1	122.9	80.8	47.0	24.6
1.60V/cell	1322.8	943.3	737.8	596.7	452.8	329.4	263.7	126.2	83.1	47.5	24.7

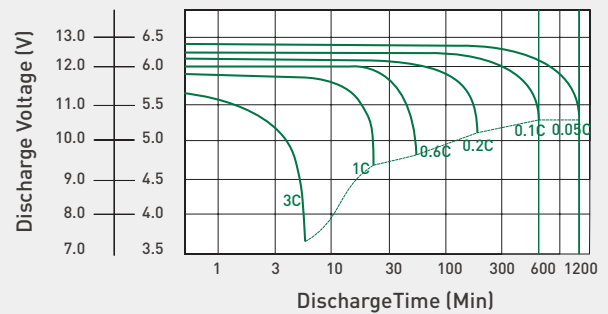
6-FM-230Ah

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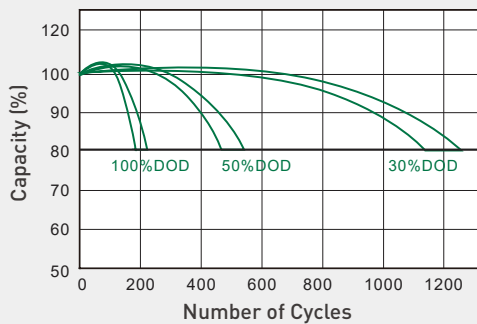
Charge Characteristics for Float Use @ 25°C/77°F



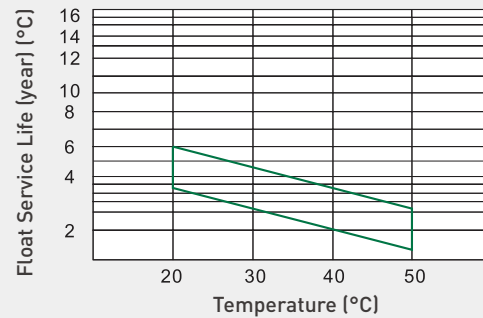
Discharge Characteristics at Various Rates @ 25°C/77°F



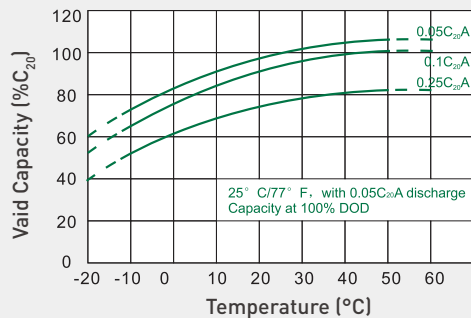
Cycle Life in Relation to Depth of Discharge



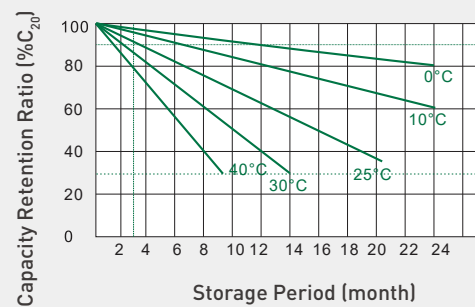
Float Service Life



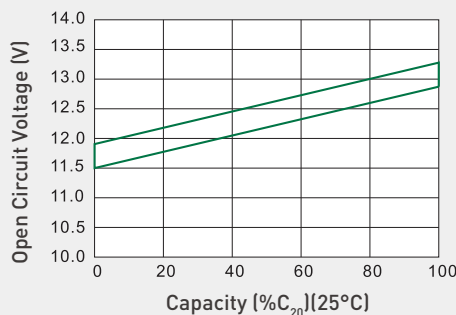
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

