

6-GFM-85Ah

Valve-regulated Lead Acid Battery Specification

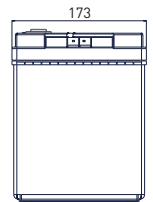
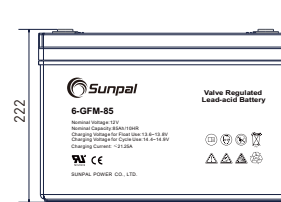
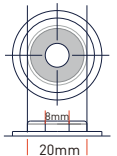
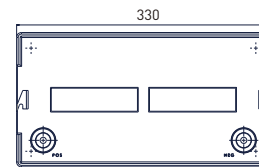
Features

- 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	85Ah@10hr-rate to 1.80V per cell @25°C
Weight	26.5kg
Internal Resistance	Approx. 5.5 mΩ
Terminal	F8
Max. Discharge Current	1275A(5s)
Short Circuit Current	4250A
Max. Charging Current	21.25A
Reference Capacity	C10 85.0AH C3 65.1AH C1 47.0AH
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	330±2mm (13.0 inches)
Width	173±1mm (6.8 inches)
Height	217±1mm (8.5 inches)
Total Height	222±1mm (8.7 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	195.3	146.1	117.5	96.2	76.3	57.0	44.8	21.7	14.2	8.5	4.42
1.75V/cell	220.2	160.5	128.4	103.5	79.3	59.1	47.0	22.1	14.7	8.6	4.46
1.70V/cell	242.5	175.0	137.1	108.7	82.5	61.4	48.5	22.7	15.0	8.7	4.55
1.65V/cell	267.3	188.9	145.8	115.5	87.0	63.0	50.0	23.7	15.4	8.9	4.61
1.60V/cell	294.8	205.1	155.9	123.0	91.8	65.7	51.9	24.4	15.9	8.9	4.63

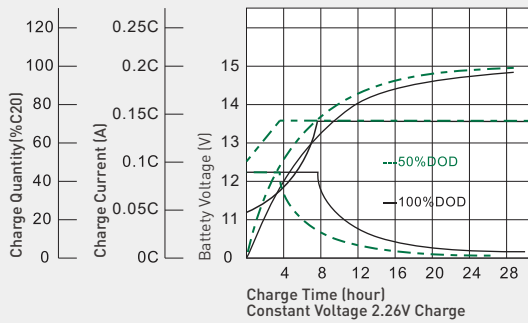
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	353.3	266.8	216.3	178.6	143.2	108.6	86.2	42.1	27.8	16.8	8.74
1.75V/cell	389.8	288.5	233.4	190.3	147.5	111.6	89.7	42.7	28.5	16.9	8.82
1.70V/cell	417.4	307.3	245.8	198.5	152.6	115.6	92.2	43.8	29.1	17.1	8.98
1.65V/cell	453.7	328.5	259.3	209.3	159.7	117.4	94.7	45.5	29.9	17.4	9.08
1.60V/cell	488.9	348.6	272.7	220.5	167.3	121.8	97.4	46.6	30.7	17.5	9.12

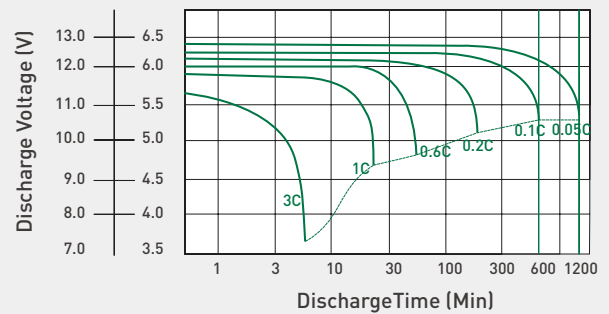
6-GFM-85Ah

Valve-regulated Lead Acid Battery Specification

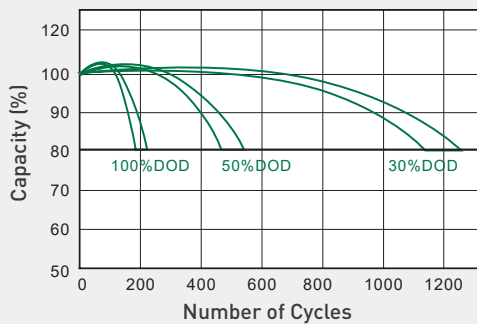
Charge Characteristics for Float Use @ 25°C/77°F



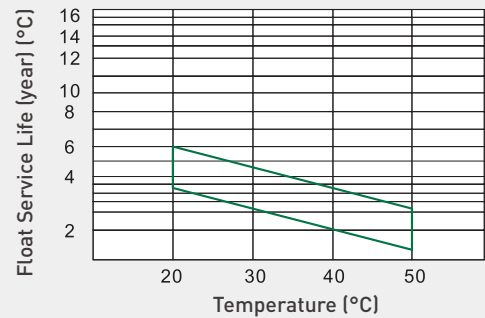
Discharge Characteristics at Various Rates @ 25°C/77°F



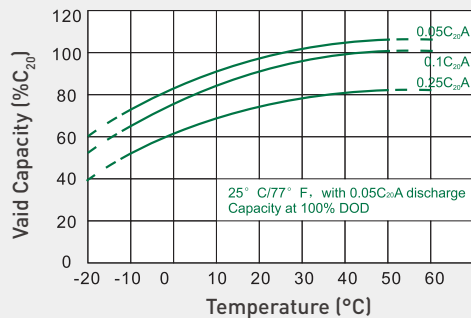
Cycle Life in Relation to Depth of Discharge



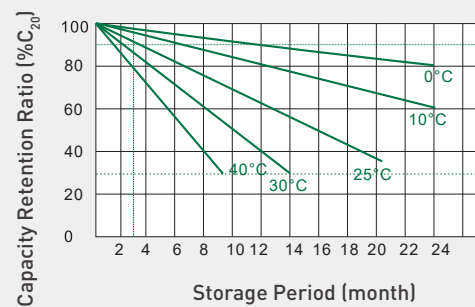
Float Service Life



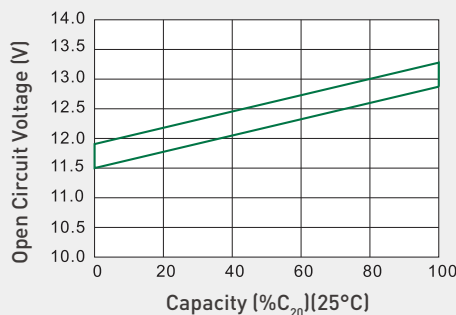
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

