

6-GFM-150Ah

Valve-regulated Lead Acid Battery Specification

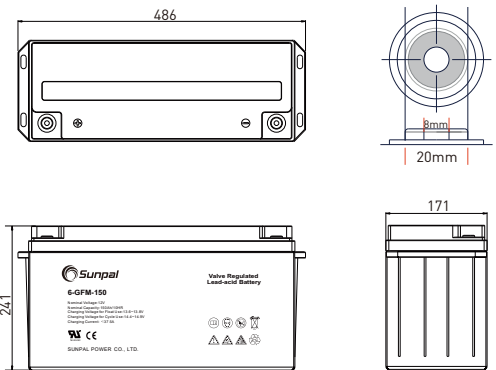
Features

- 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	150Ah@10hr-rate to 1.80V per cell @25°C
Weight	43kg
Internal Resistance	Approx. 3.5 mΩ
Terminal	F8
Max. Discharge Current	2250A(5s)
Short Circuit Current	7500A
Max. Charging Current	37.5A
Reference Capacity	C10 150AH C3 115AH C1 82.8AH
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	486±2mm (19.1 inches)
Width	171±1mm (6.7 inches)
Height	241±1mm (9.5 inches)
Total Height	241±1mm (9.5 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	344.7	257.8	207.3	169.7	134.7	100.5	79.2	38.3	25.2	15.0	7.8
1.75V/cell	388.5	283.3	226.5	182.5	139.8	104.2	82.8	39.0	25.8	15.2	7.9
1.70V/cell	427.8	308.8	241.8	191.8	145.5	108.3	85.5	40.2	26.5	15.3	8.0
1.65V/cell	471.8	333.3	257.2	203.8	153.5	111.2	88.3	41.8	27.2	15.6	8.1
1.60V/cell	520.3	361.8	275.0	217.2	162.0	115.8	91.5	43.2	28.2	15.8	8.2

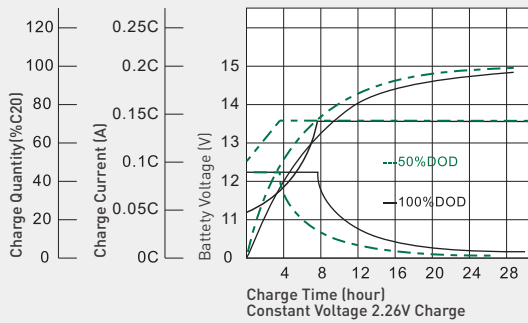
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	623.3	470.8	381.8	315.2	252.7	191.5	152.0	74.3	49.2	29.7	15.4
1.75V/cell	687.8	509.0	411.8	335.8	260.2	196.8	158.3	75.3	50.3	29.8	15.6
1.70V/cell	736.5	542.2	433.7	350.3	269.3	204.0	162.7	77.3	51.5	30.2	15.9
1.65V/cell	800.7	579.8	457.5	369.3	281.8	207.2	167.0	80.2	52.7	30.7	16.0
1.60V/cell	862.7	615.2	481.2	389.2	295.3	214.8	172.0	82.3	54.2	31.0	16.1

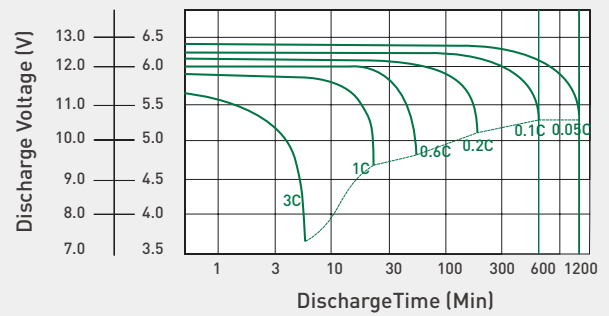
6-FM-150Ah

Valve-regulated Lead Acid Battery Specification

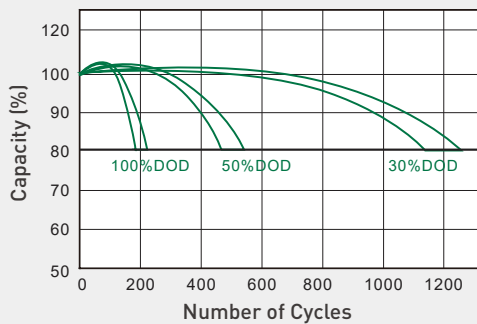
Charge Characteristics for Float Use @ 25°C/77°F



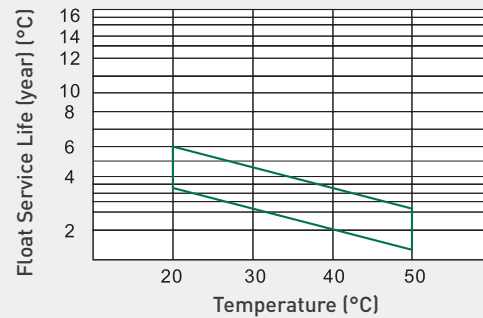
Discharge Characteristics at Various Rates @ 25°C/77°F



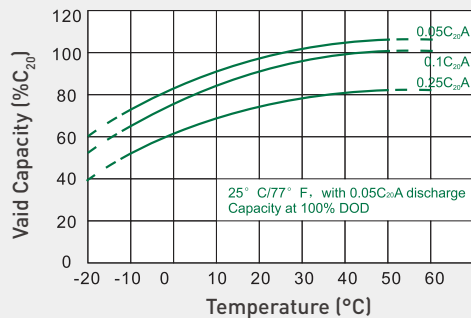
Cycle Life in Relation to Depth of Discharge



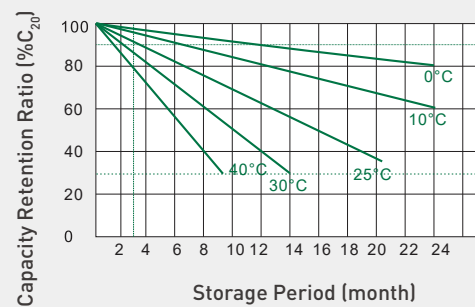
Float Service Life



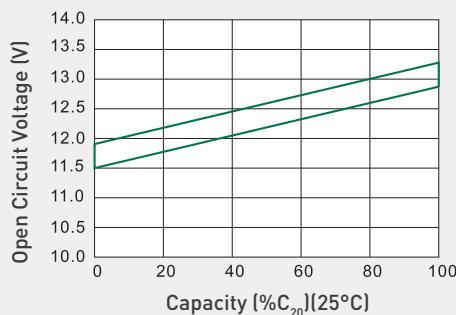
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

