

# 6-GFM-60Ah

## Valve-regulated Lead Acid Battery Specification

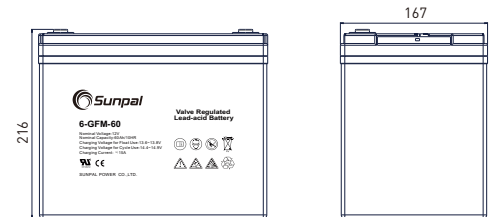
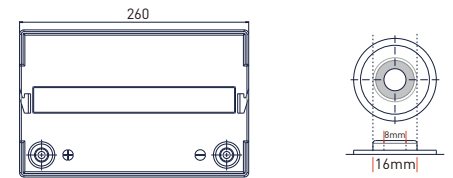
### Features

- 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	60Ah@10hr-rate to 1.80V per cell @25°C
Weight	19.5kg
Internal Resistance	Approx. 6.5 mΩ
Terminal	F6
Max. Discharge Current	900A(5s)
Short Circuit Current	3000A
Max. Charging Current	15A
Reference Capacity	C10 60.0AH C3 46.0AH C1 33.1AH
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	260±2mm (10.2 inches)
Width	167±1mm (6.6 inches)
Height	213±1mm (8.4 inches)
Total Height	216±1mm (8.5 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	112.25	89.35	76.36	54.87	42.98	33.60	15.60	12.55	8.93	6.00	3.22
1.75V/cell	123.38	97.53	82.15	56.95	44.51	35.13	15.93	12.87	9.19	6.07	3.25
1.70V/cell	134.40	104.18	86.29	59.24	46.36	36.22	16.36	13.20	9.37	6.12	3.31
1.65V/cell	145.09	110.73	91.75	62.51	47.45	37.42	17.02	13.64	9.58	6.25	3.35
1.60V/cell	157.53	118.47	97.64	66.00	49.53	38.73	17.56	14.07	9.79	6.32	3.37

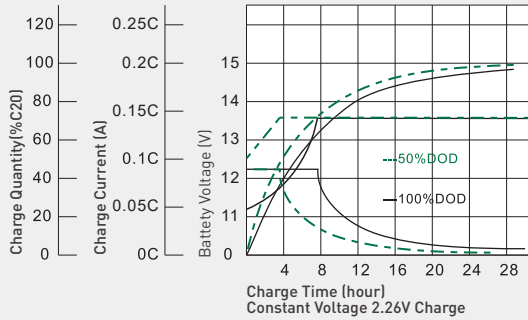
### Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	206.62	165.82	143.35	104.07	82.36	64.80	30.33	24.44	17.56	11.89	6.43
1.75V/cell	224.29	179.45	152.84	107.56	85.09	67.53	30.87	24.98	18.00	12.00	6.48
1.70V/cell	240.98	190.15	159.71	111.49	88.25	69.49	31.64	25.53	18.44	12.11	6.59
1.65V/cell	258.22	200.95	168.87	117.05	90.11	71.56	32.84	26.40	18.76	12.33	6.67
1.60V/cell	275.56	212.29	178.04	122.40	93.05	73.53	33.71	27.05	19.09	12.44	6.70

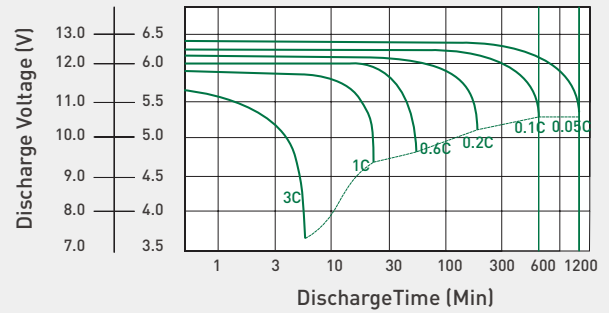
# 6-GFM-60Ah

## Valve-regulated Lead Acid Battery Specification

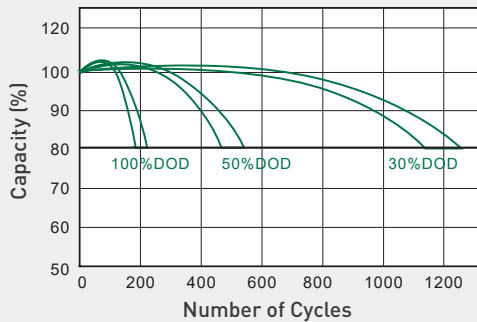
### Charge Characteristics for Float Use @ 25°C/77°F



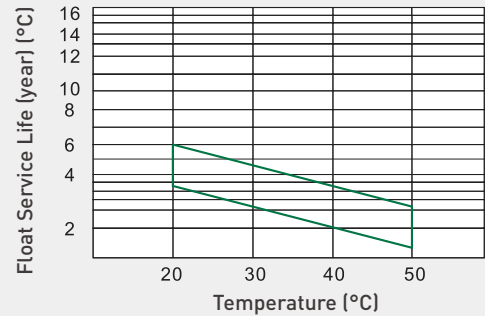
### Discharge Characteristics at Various Rates @ 25°C/77°F



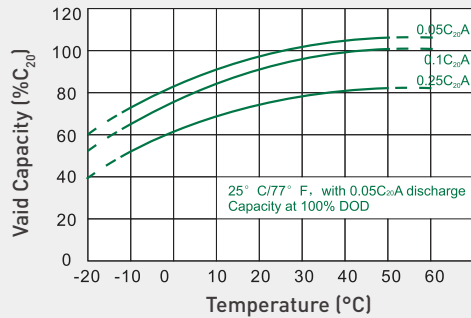
### Cycle Life in Relation to Depth of Discharge



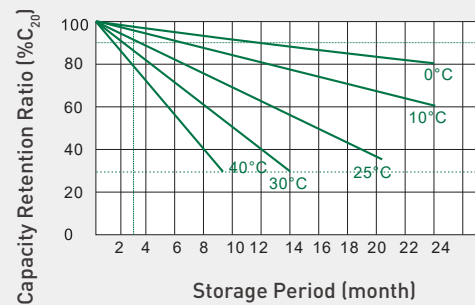
### Float Service Life



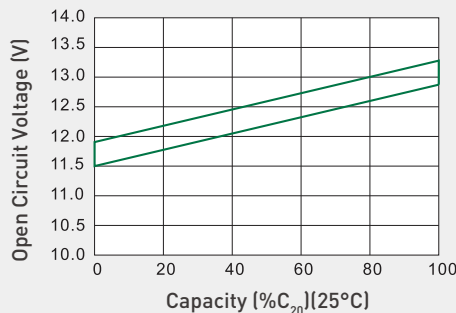
### Temperature and Valid Capacity



### Self Discharge Characteristics



### Capacity and Open Circuit Voltage



### Relationship between Charging Voltage and Temperature

