6-GFM-100Ah

Valve-regulated Lead Acid Battery Specification

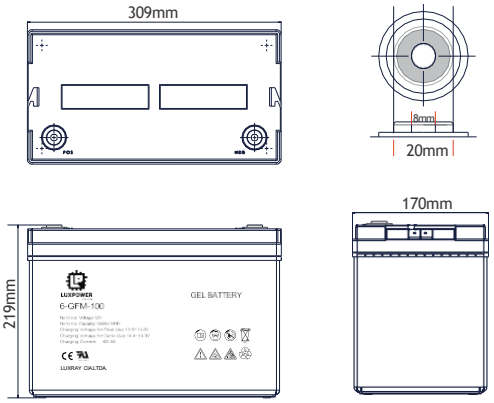
Features

- 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	100Ah@20hr-rate to 1.75V per cell @25°C
Weight	28.3kg
Internal Resistance	Approx. 3.5 mΩ
Terminal	F8
Max. Discharge Current	750A(5s)
Short Circuit Current	5000A
Max. Charging Current	25A
Reference Capacity	C20 100AH C3 76.8AH C1 57.8AH
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: -15°C~50°C Storage: -20°C~50°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	309±2mm (12.1 inches)
Width	170±1mm (6.7 inches)
Height	215±1mm (8.4 inches)
Total Height	219±1mm (8.6 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	229.8	191.6	171.9	138.2	113.1	89.8	67.0	52.8	25.6	10.0	4.7
1.75V/cell	259.0	215.9	188.9	151.0	121.7	93.2	69.4	55.2	26.0	10.1	5.0
1.70V/cell	285.2	237.9	205.9	161.2	127.9	97.0	72.2	57.0	26.8	10.2	5.1
1.65V/cell	314.6	251.5	222.2	171.4	135.9	102.3	74.1	58.9	27.9	10.4	5.3
1.60V/cell	346.9	264.1	241.2	183.3	144.8	108.0	77.2	61.0	28.8	10.5	5.5

Constant-power discharge parameter Unit: W(25°C)1

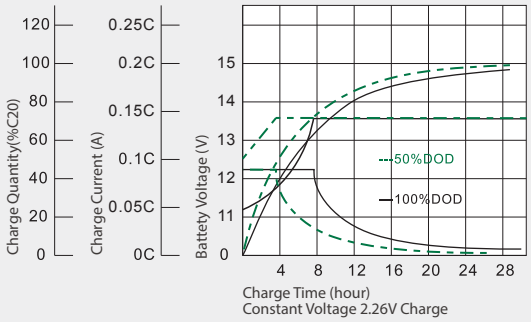
F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	415.6	313.9	254.6	210.1	168.4	127.7	101.3	49.6	32.8	19.8	10.29
1.75V/cell	458.6	339.3	274.6	223.9	173.4	131.2	105.6	50.2	33.6	19.9	10.37
1.70V/cell	491.0	361.4	289.1	233.6	179.6	136.0	108.4	51.6	34.3	20.1	10.57
1.65V/cell	533.8	386.6	305.0	246.2	187.9	138.1	111.3	53.4	35.1	20.4	10.69
1.60V/cell	575.1	410.1	320.8	259.4	196.9	143.2	114.7	54.9	36.1	20.7	10.73

Contacto Ecuador +593 98 344 5929 Correo info@luxray.com.ec
LUXRAY CIA.LTDA.

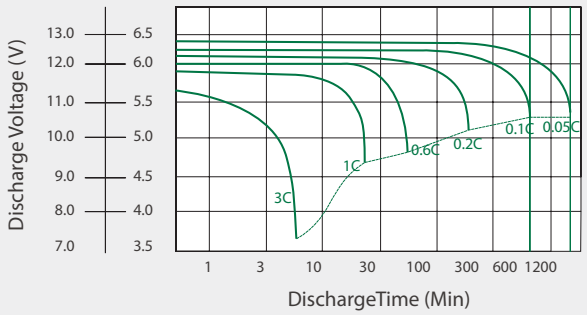
6-GFM-100Ah

Valve-regulated Lead Acid Battery Specification

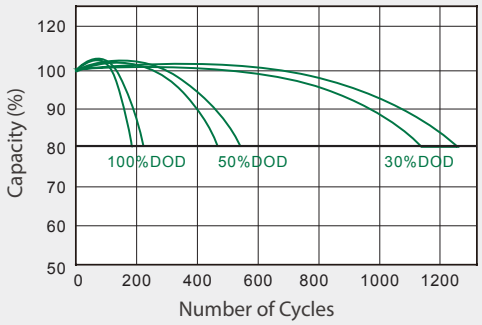
Charge Characteristics for Float Use @ 25°C/77°F



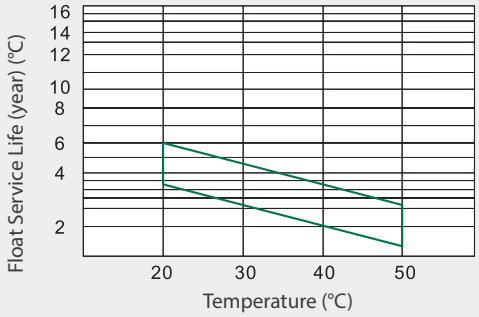
Discharge Characteristics at Various Rates @ 25°C/77°F



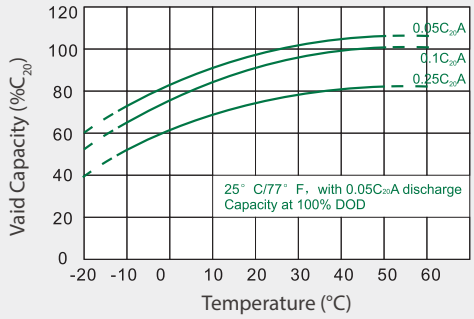
Cycle Life in Relation to Depth of Discharge



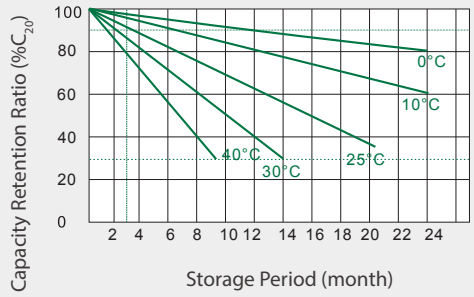
Float Service Life



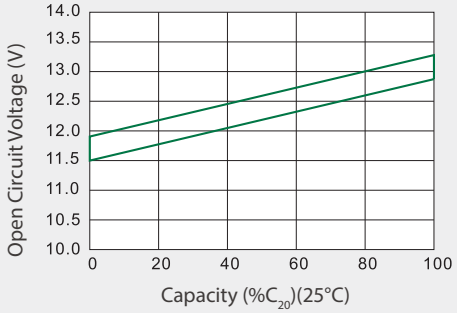
Temperature and Valid Capacity



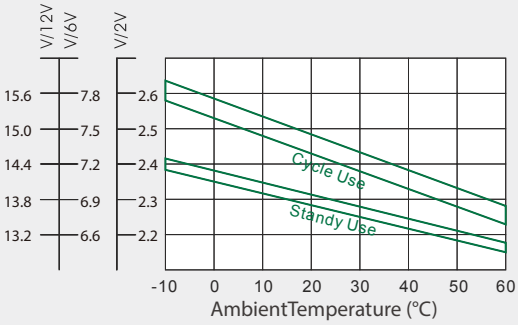
Self Discharge Charecteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature



Contacto Ecuador +593 98 344 5929
Correo info@luxray.com.ec
LUXRAY CIA.LTDA.