

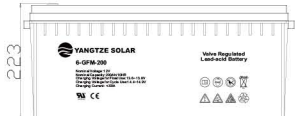
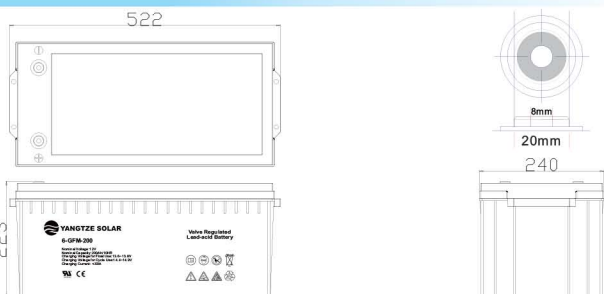
6-GFM-200Ah Valve-regulated Lead Acid Battery Specification

We are an ISO9001 certified organization. And the products are approved by CE & UL. The nominal voltage of this series is 12V. And the capacity ranges from 33Ah to 250Ah. Their typical applications include: emergency lighting systems, electricity power supply systems, communication systems, UPS systems, starting systems, solar systems etc.


Battery Construction			General Features	
Component		Material	Maintenance free	
Positive plate	.....	Lead dioxide	Convenient for installation	
Negative plate	.....	Lead	Safety and no leakage	
Container	.....	ABS	Excellent recharge and discharge performance	
Cover	.....	ABS	Low self-discharge rate, charge each standby 6 months, temperature 25℃	
Safety valve	.....	Rubber	Adapt to high or low temperature	
Terminal	.....	Copper	Good deep discharge performance	
Separator	.....	AGM glass	Longer cycle life	
Electrolyte	.....	Sulfuric acid	UL approval	

Performance Characteristics				
1.Dimension and weight			5.Charge Method: constant-voltage charging at 25℃ (77° F)	
Length	.....	522mm	Cyclic use	14.4~14.9V
Width	.....	240mm	Maximum charging current	50A
Height	.....	219mm	Temperature Compensation	-30mV/℃
Total Height	.....	223mm	Float Use	13.6~13.8V
Reference Weight	.....	59.5kg	Temperature Compensation	-20mV/℃
2.Functional Parameter			6.Environment Temperature Requirements	
Rated Voltage	.....	12V	Discharge Temperature	-15~50℃
Numbers of cells	.....	6 Cells	Charge Temperature	0~40℃
Designed Life	.....	5~8 Years	Storage Temperature	-15~40℃
3.Rated Capacity at 25℃ (77° F)			7.Inner Resistance&Max. Discharge Current	
10 hr rate (0.1C, 10.8V)	.....	200Ah	A fully charged battery at 25℃ (77° F)	3mΩ
3 hr rate (0.25C, 10.8V)	.....	153.3Ah	Max. Discharge Current	3000A (5s)
1 hr rate (0.55C, 10.5V)	.....	110.4Ah	Short Circuit Current	10000A
4.Capacity affected by Temperature (10hour rate)			8.Self-discharge	
40℃ (104° F)	.....	103%	3% Of the capacity per month at 25℃ (77° F)	
25℃ (77° F)	.....	100%	Capacity after 3 month storage	91%
0℃ (32° F)	.....	85%	Capacity after 6 month storage	82%
-15℃ (5° F)	.....	65%	Capacity after 12 month storage	64%

Dimensions (mm)



3D Model Review



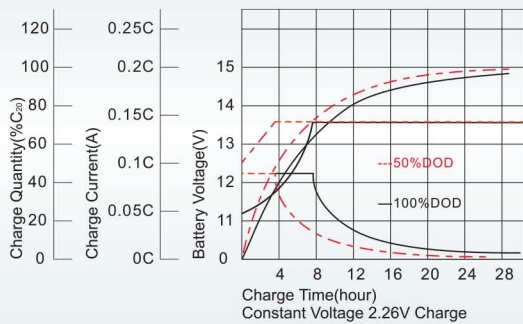
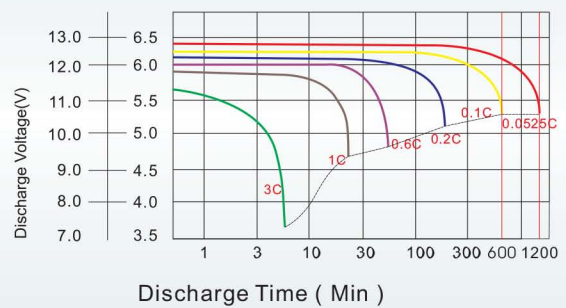
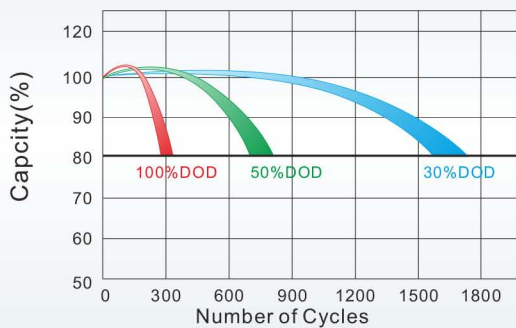
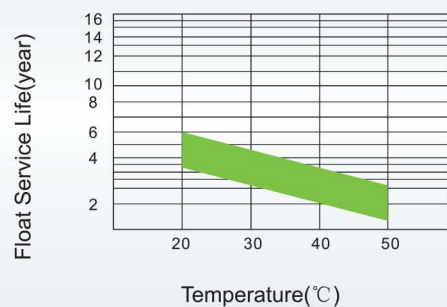
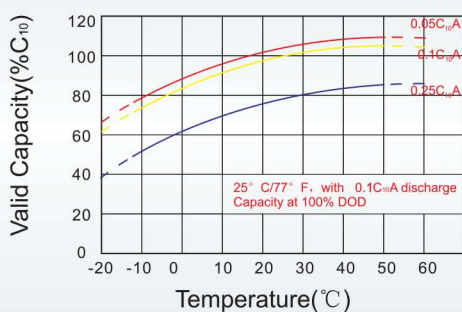
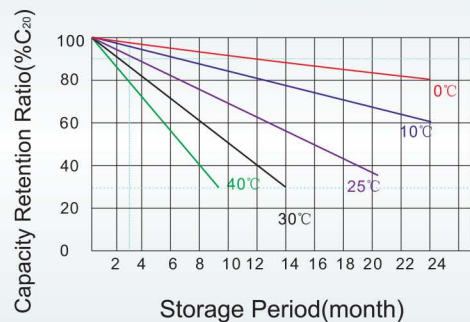
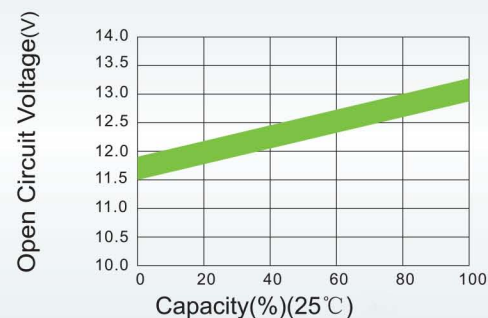
Constant-current discharge parameter Unit: A (25℃)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	459.6	343.8	276.4	226.2	179.6	134.0	105.6	51.1	33.6	20.0	10.4
1.75V/cell	518.0	377.8	302.0	243.3	186.4	138.9	110.4	52.0	34.4	20.2	10.5
1.70V/cell	570.4	411.8	322.4	255.8	194.0	144.4	114.0	53.6	35.3	20.4	10.7
1.65V/cell	629.1	444.4	342.9	271.8	204.7	148.2	117.8	55.8	36.2	20.8	10.8
1.60V/cell	693.8	482.4	366.7	289.6	216.0	154.4	122.0	57.6	37.6	21.0	10.9

Constant-current discharge parameter Unit: W (25℃)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	831.1	627.8	509.1	420.2	336.9	255.3	202.7	99.1	65.6	39.6	20.6
1.75V/cell	917.1	678.7	549.1	447.8	346.9	262.4	211.1	100.4	67.1	39.8	20.7
1.70V/cell	982.0	722.9	578.2	467.1	359.1	272.0	216.9	103.1	68.7	40.2	21.1
1.65V/cell	1067.6	773.1	610.0	492.4	375.8	276.2	222.7	106.9	70.2	40.9	21.4
1.60V/cell	1150.2	820.2	641.6	518.9	393.8	286.4	229.3	109.8	72.2	41.3	21.5

6-GFM-200Ah 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
