



GEL BATTERY 6GFM - 12V 7Ah & 9Ah

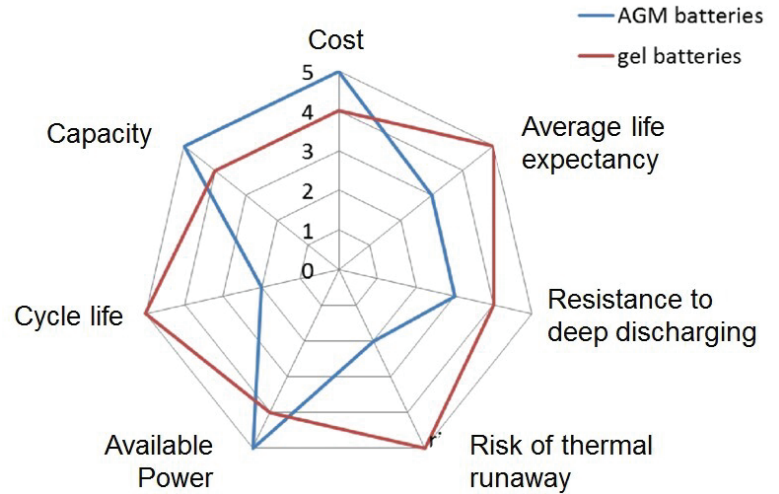


Why Choose Gel Battery?

- ★ Better average life expectancy
- ★ Resistance to deep discharging
- ★ Low risk of thermal runaway
- ★ Better Cycle life
- ★ Higher score 4.43 than AGM 3.57



Certification
JIS C8704-1:2006
IEC60896-21/22:2004
GB/T19639-2014

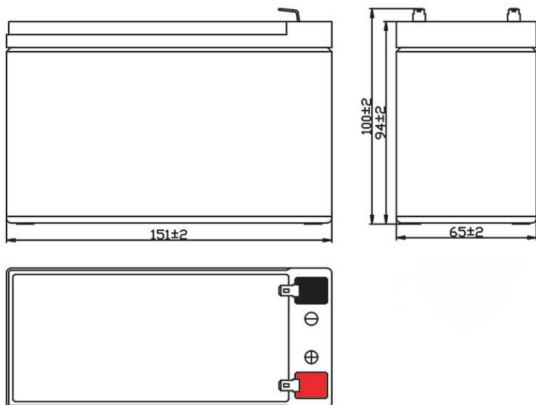


Main Applications

- UPS, EPS
- Train
- Emergency Lighting
- Power System
- Solar System

Product Features

- Lower self-discharge rate
- Better sealing performance, safer and reliable
- Better cyclic life performance
- Separators better, adsorption, stability
- Temperature range -15~50° C



Specification

Model	6GFM7	6GFM9
Nominal Voltage	12V	
Rated Capacity (20 hour rate)	7 Ah	9 Ah
Dimensions	Total Height	100 mm
	Height	94 mm
	Length	151 mm
	Width	65 mm
Weight (approx)	2,2 kg	

Characteristics

Capacity 25°C	20hr (0.45A)	7.5Ah	9 Ah
	5hr (1.54A)	6.4 Ah	7.7 Ah
	1hr (5.4A)	4.5 Ah	5.4 Ah
Capacity Affected by temperature (10hr)	40°C	102%	
	25°C	100%	
	0°C	85%	
	-15°C	65%	
Self-discharge	6 month	≥82% at 25°C	
Charge (constant voltage)	Cycle	No more than 2,25A for initial charge	
	Float charge	Voltage 14.1-14.4V	
Terminal		Voltage 13.5-13.8V	
		T1,T2	

Constant Current Discharge Characteristics

Unit : 6GFM7 - 12V 7Ah (25°C, 77°F)

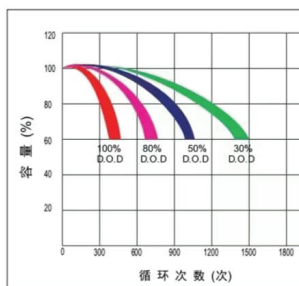
Time		5min	10min	15min	30min	1h	2h	3h	4h	6h	8h	10h	20h
9.6V	A	27	17.7	13.1	8.63	4.5	2.63	1.93	1.55	1.32	0.87	0.71	0.39
	W	318.4	200	151.3	91.6	51.9	30.4	22.34	17.94	15.22	10.03	8.22	4.5
10.2V	A	24.8	16.9	12.1	8.19	4.22	2.52	1.88	1.5	1.29	0.85	0.7	0.38
	W	299.7	189.4	142.2	90.9	48.8	29.2	21.72	17.38	14.94	9.88	8.06	4.37
10.5V	A	22.5	15.8	11.3	7.94	4.09	2.47	1.84	1.43	1.28	0.84	0.69	0.38
	W	289.4	183.8	135.9	90	47.36	28.6	21.34	16.5	14.84	9.78	8	4.34
10.8V	A	21.7	15.1	10.5	7.72	3.95	2.41	1.81	1.4	1.22	0.82	0.67	0.37
	W	253.7	178.1	130.9	89.7	45.9	28	21.09	16.3	14.2	9.38	7.81	4.25
11.1V	A	20	14.3	9.75	7.5	3.81	2.34	1.72	1.37	1.17	0.8	0.66	0.36
	W	245.3	172.2	124.2	89.1	45.3	27.8	20.5	16.25	13.9	9.06	7.66	4.22

Constant Current Discharge Characteristics

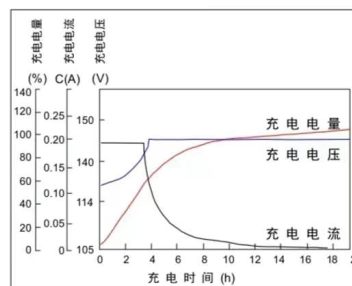
Unit : 6GFM9 - 12V 9Ah (25°C, 77°F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	6h	8h	10h	20h
9.6V	A	32.4	21.2	15.8	10.35	5.4	3.15	2.32	1.86	1.58	1.58	0.85	1.47
	W	382.1	240	181.5	109.9	62.3	36.5	26.81	21.53	18.26	18.26	9.86	5.4
10.2V	A	29.7	20.3	14.5	9.83	5.07	3.02	2.25	1.8	1.55	1.55	0.84	0.45
	W	359.6	227.3	170.6	109.1	58.5	35	26.06	20.85	17.93	17.93	9.68	5.25
10.5V	A	27	19	12.6	9.26	4.74	2.59	2.18	1.68	1.46	1.46	0.81	0.44
	W	347.2	220.5	163.1	108	56.8	34.3	25.61	19.8	17.81	17.81	9.6	5.21
10.8V	A	26	18.2	12.6	9.26	4.74	2.89	2.18	1.68	1.46	1.46	0.81	0.44
	W	304.5	213.8	157.1	107.6	55.1	33.6	25.31	19.56	17.03	17.03	9.38	5.10
11.1V	A	24	17.1	11.7	9	4.57	2.81	2.06	1.65	1.4	1.4	0.79	0.43
	W	294.4	206.6	149.6	106.9	54.4	33.4	24.56	19.5	16.65	16.65	9.19	5.06

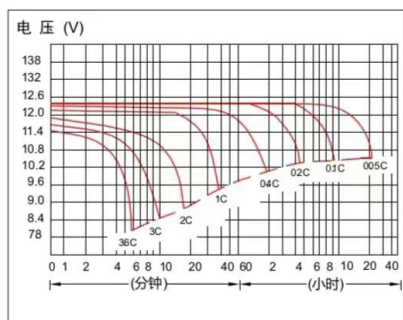
Cycle life curve



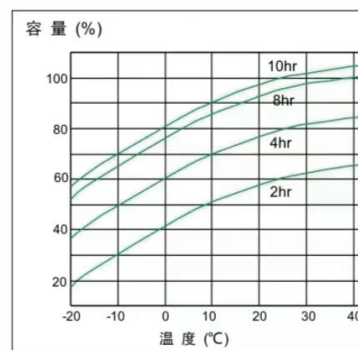
Charging Characteristics (@25°C)



Discharge characteristics curve



Discharge capacity and temperature



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