

Product Features

- Sulfuric acid immobilized as a gel using the gaseous SiO₂ which imported from Germany as main electrolyte, The GEL state electrolyte prevents leakage and layering;
- Low resistance PVC-SiO₂ micro-porous separator ensure low internal resistance;
- Paste type, thick plate design, good corrosion resistance, long service life;
- Advanced gel technology, the battery has good charge acceptance ability and good performance in poor power supply condition.

Application

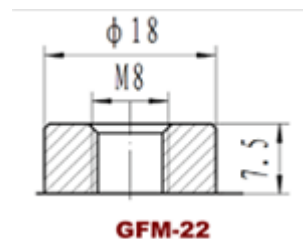
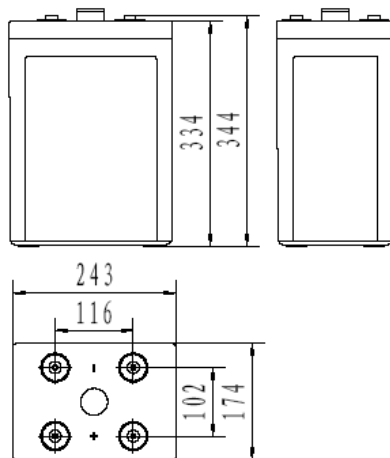
- Telecom
- Nuclear power, standby power supply
- Renewable Energy;
- CATV
- General electronic
- EPS/UPS

Compliant Standards

- IEC 60896-21/22: 2004
- IEC 61427-2005
- DIN43539-T5 1984
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001、ISO14001、OHSAS18001、UL and CE certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

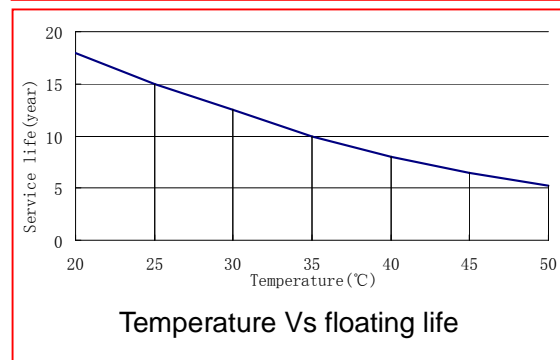
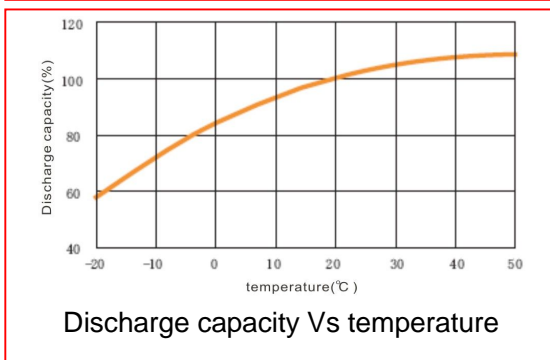
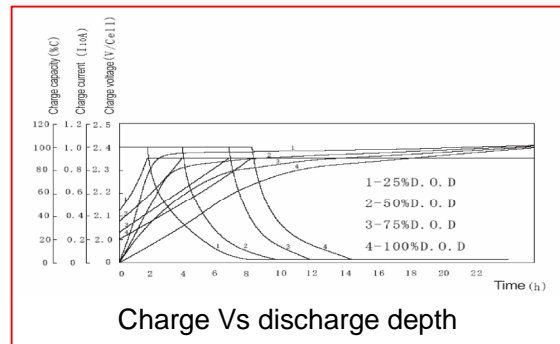
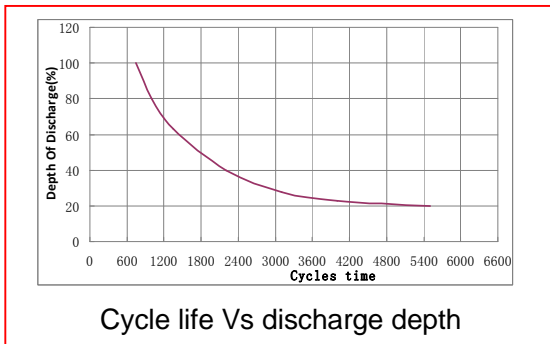


Battery Model	GFMJ-500			
Designed Life	15 Years			
Capacity(25°C)	10HR(50A,1.80V)	5HR(87.5A,1.80V)	3HR(128A,1.80V)	1HR(280A,1.80V)
	500AH	437.5AH	384AH	280AH
Dimensions	Length	Width	Height	Total Height
	243mm	174mm	334mm	344mm
Approx. Weight	35.5kg			
Internal Resistance	0.39m Ω			
Max Discharge Current	2944A(3 Sec.)			
Self Discharge	≤2% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.33V(-3.5mV/°C), max charge current:100A		2.23V(-3.5mV/°C)	

Discharge parameter:

Constant current discharge data (25°C, A)																		
End voltage (V/cell)	5min	10 min	15 min	20 min	30 min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	850	775	720	650	505	312.5	187.5	137.5	95.0	85	66.5	56.25	28.25	23.75	12.15	6.25	5.45	2.90
1.70	800	737.5	650	567.5	475	307.5	184.25	136	92.75	80.5	64.5	53.25	27.75	23.30	12.15	6.25	5.45	2.90
1.75	750	697.5	620	547.5	460	302.5	180.75	134	91.0	79.25	63.25	52.25	27.5	23.10	12.15	6.25	5.45	2.90
1.80	700	662.5	572.5	505	425	280	173.5	128	87.5	76.25	60.75	50.0	27.0	23.10	12.15	6.25	5.45	2.90
1.85	600	572.5	522.5	472.5	397.5	270	163.25	120	82.25	71.5	57.0	47.25	25.5	22.0	12.15	6.25	5.45	2.90

Constant power discharge data (25°C, W/cell)																		
End voltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1485	1377.5	1295	1177.5	922.5	580	350	260	180	125.25	100	82.5	42.25	39.8	24.3	12.5	11	5.85
1.70	1422.5	1335	1187.5	1045	877.5	575	347.5	260	177.5	121.5	96.25	79.75	41.75	39.4	24.3	12.5	11	5.85
1.75	1367.5	1287.5	1155	1025	865	572.5	345	257.5	175	117.25	93	76.75	41.25	39	24.3	12.5	11	5.85
1.80	1307.5	1245	1085	957.5	812.5	535	337.5	247.5	170	113	89.5	75	40.25	38.6	24.3	12.5	11	5.85
1.85	1145	1097.5	1005	915	772.5	527.5	320	235	162.5	107.25	85.25	70.75	38.25	36.9	24.3	12.5	11	5.85

Performance Curve:


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