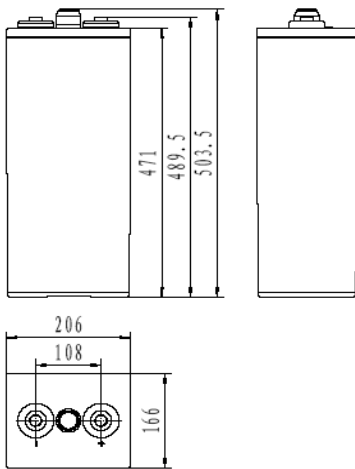


Product Features

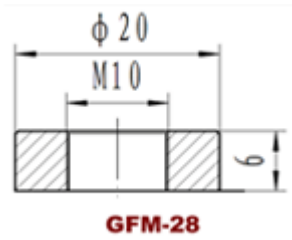
- Tubular positive plate avoids active material from shedding effectively and the positive frame is cast by multi-alloy(Pb-Ca-Sn-Al) with fine and compact crystal structure, resulting in good corrosion resistance;
- Sulfuric acid immobilized as a gel using the gaseous SiO₂ as main electrolyte, which is in dilute sol state when injecting and filled in the whole plate space so that the plate can fully react. The GEL state electrolyte prevents leakage and layering;
- Low resistance PVC-SiO₂ micro-porous separator ensure low internal resistance;
- ABS containers and covers (FV0 optional)


Application

- Renewable Energy;
- Energy utility: production, Transport, distribution, switchgear
- Telecom
- General electronic
- Mobility & leisure
- EPS/UPS

Compliant Standards

- IEC 60896-21/22 : 2004
- IEC 61427-2005
- DIN43539-T5 1984
- DIN40742:1999
- GB/T 22473-2008
- GB/T 22473-2008
- Passed ISO9001, ISO14001, OHSAS18001 certificate
- Eurobat guide;

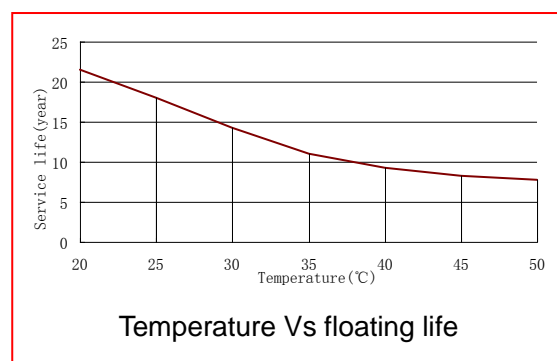
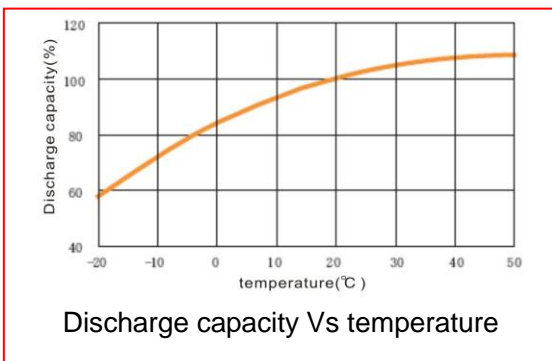
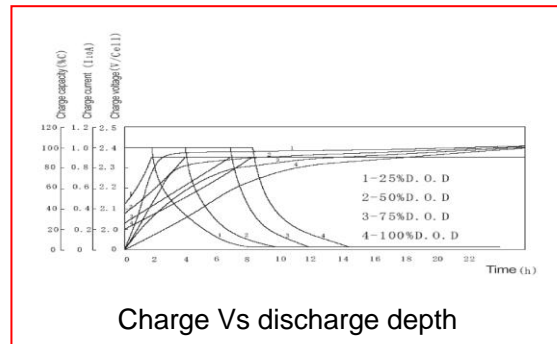
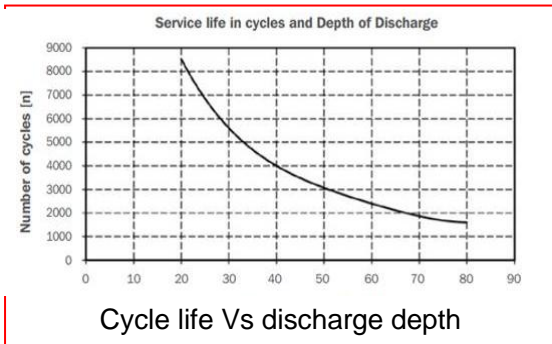


Battery Model	GFMJ-500H			
Designed Life	18 Years			
Capacity(25°C)	10HR(50A,1.80V)	5HR(85A,1.80V)	3HR(125A,1.80V)	1HR(250A,1.80V)
	500AH	425AH	375AH	250AH
Dimensions	Length	Width	Height	Total Height
	166mm	206mm	471mm	503.5mm
Approx. Weight	38.0kg			
Internal Resistance	0.5mΩ			
Max Discharge Current	2898A(3 Sec.)			
Self Discharge	≤3% 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	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	755	675	590	513	435	288	189	147	101	85.5	66.3	58.2	30.1	25.4	13.0	6.45	5.45	2.80
1.70	708	633	548	475	423	275	178	139	95.9	81.2	63.7	55.1	30.1	25.4	13.0	6.45	5.45	2.80
1.75	675	605	535	460	400	263	168	132	90.8	76.9	61.2	52.5	28.5	24.7	13.0	6.45	5.45	2.80
1.80	638	575	508	425	385	250	159	125	85.0	73.8	58.8	50.0	27.0	24.7	13.0	6.45	5.45	2.80
1.85	600	543	480	400	363	238	151	118	81.5	70.3	55.6	47.3	25.5	23.5	13.0	6.45	5.45	2.80

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	1426	1274	1238	1075	913	588	421	295	191	183	151	113	56.3	50.0	33.5	17.3	15.1	8.05
1.70	1292	1155	1111	964	858	570	413	285	188	177	145	109	56.3	50.0	33.5	17.3	15.1	8.05
1.75	1190	1067	1048	901	784	555	401	276	185	171	140	105	56.3	50.0	33.5	17.3	15.1	8.05
1.80	1040	938	920	770	698	520	393	265	180	165	135	103	55.0	50.0	33.5	17.3	15.1	8.05
1.85	901	815	801	668	605	508	373	252	172	157	129	96.8	52.0	47.3	33.5	17.3	15.1	8.05

Performance Curve:


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