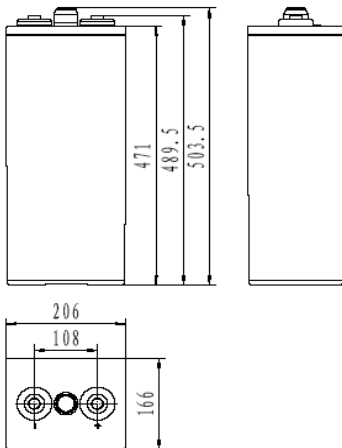


Product Features

- 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)

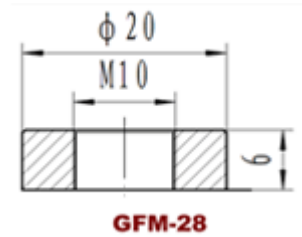


Application

- 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;

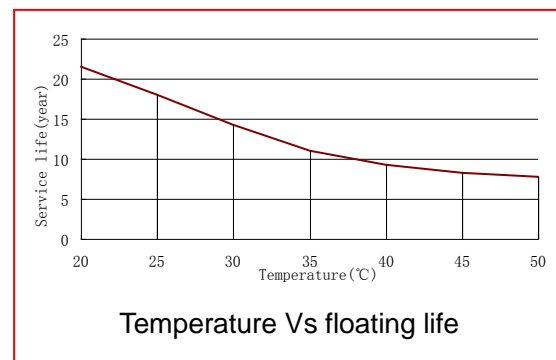
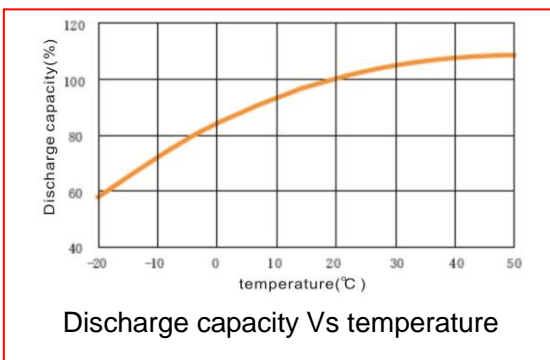
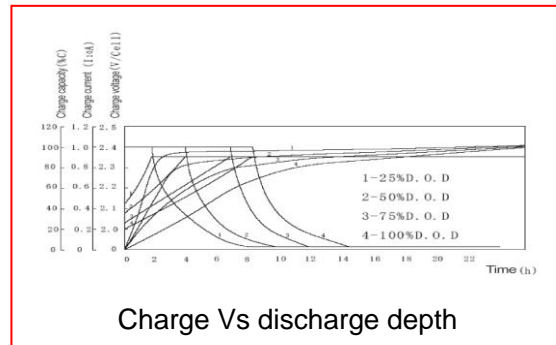
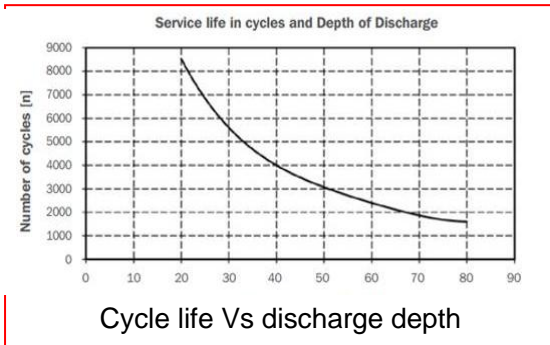


Battery Model	GFMJ-490H			
Designed Life	18 Years			
Capacity(25°C)	10HR(49A,1.80V)	5HR(83.3A,1.80V)	3HR(123A,1.80V)	1HR(245A,1.80V)
	490AH	416.5AH	369AH	245AH
Dimensions	Length	Width	Height	Total Height
	166mm	206mm	471mm	503.5mm
Approx. Weight	38.0kg			
Internal Resistance	0.5mΩ			
Max Discharge Current	2852A(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:98A		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	740	662	578	502	426	282	185	144	99.2	84.9	64.9	57.1	29.5	25.0	12.7	6.32	5.34	2.74
1.70	693	620	537	466	414	270	174	137	94.0	80.6	62.4	54.0	29.5	25.0	12.7	6.32	5.34	2.74
1.75	662	593	524	451	392	257	165	129	89.0	76.1	59.9	51.5	27.9	24.5	12.7	6.32	5.34	2.74
1.80	625	564	497	417	377	245	156	123	83.3	72.6	57.6	49.0	26.5	23.5	12.7	6.32	5.34	2.74
1.85	588	532	470	392	355	233	148	116	79.9	70.3	54.5	46.3	25.0	23.0	12.7	6.32	5.34	2.74

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	1397	1249	1213	1054	894	576	413	289	187	179	147	110	55.1	49.0	32.8	16.9	14.8	7.89
1.70	1266	1132	1089	945	840	559	404	279	184	173	142	107	55.1	49.0	32.8	16.9	14.8	7.89
1.75	1166	1046	1027	883	768	544	393	270	182	168	137	103	55.1	49.0	32.8	16.9	14.8	7.89
1.80	1019	919	901	755	684	510	385	260	176	162	132	100	53.9	49.0	32.8	16.9	14.8	7.89
1.85	883	798	785	654	593	497	365	246	169	154	127	94.8	51.0	46.3	32.8	16.9	14.8	7.89

Performance Curve:


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