

Advantages

- Long life according to EUROBAT Classification
- Up to 1500 deep discharge cycles
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- GEL state electrolyte prevents leakage and layering
- Low resistance PVC-SiO₂ micro-porous separator ensure Low self-discharge rate
- Easy installation vertical or horizontal

Application

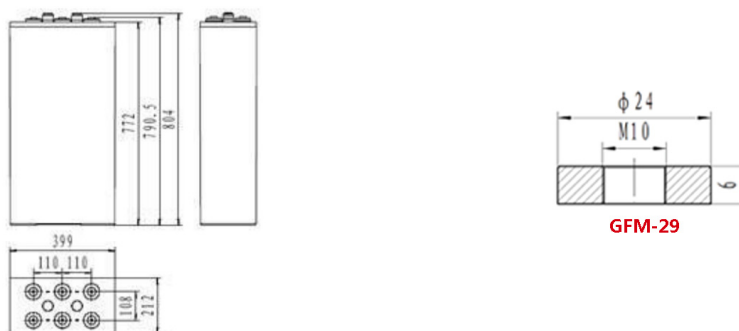
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

Standards

- IEC 60896-21/22:2004
- IEC61427-2005
- DIN43539-T5 1984
- DIN40742:1999
- Eurobat guide
- installation compliant with EN50272-2



Drawing



Specification

Battery Model	GFMJ-2000H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(200A, 1.80V)	5HR(340A, 1.80V)	3HR(500A, 1.80V)	1HR(1000A, 1.80V)
	2000	1700	1500	1000
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	399	212	772	804
Approx.Weight(Kg)	153			
Internal Resistance(mΩ)	0.22			
Max. Discharge Current(A/3Sec.)	7659			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:400A		2.25(-3.5mV/°C)	

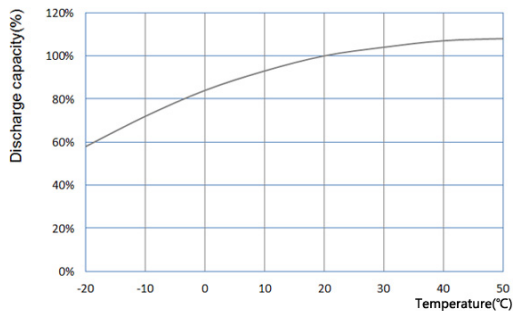


Discharge Data

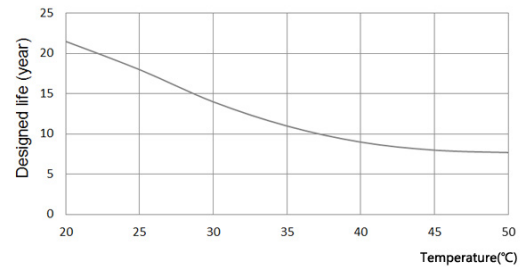
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	2567	2295	2006	1743	1479	1153	753.3	588.7	405.3	343.3	265.3	226	118	99.73	54	26.71	22.59	11.52
1.70	2405	2151	1861	1665	1437	1100	713.3	557.3	383.3	324	254.7	218	115.3	97.07	53.27	26.44	22.38	11.45
1.75	2295	2057	1819	1584	1360	1053	673.3	528	363.3	312	244.7	210	112	94.87	52.6	26.12	22.18	11.38
1.80	2167	1955	1725	1535	1309	1000	636	500	340	290.7	235.3	200	108.7	93.13	52	25.9	21.92	11.3
1.85	2040	1845	1632	1460	1233	953	602	473.3	326	280.7	222.7	189.3	105.7	90.6	51.27	25.35	21.58	11.23

Constant power discharge data(25°C,W/Cell)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	4632	4287	4029	3838	3333	2352.4	1619	1209.5	804.8	681	547.6	441.4	234.8	191.9	114.76	62.38	52.86	25.86
1.70	4324	4159	3824	3514	3143	2281	1528.6	1152.4	776.2	657.1	528.6	436.2	230	189.05	113.81	60.95	51.43	25.14
1.75	3761	3541	3362	3233	2857	2233.3	1428.6	1104.8	757.1	638.1	514.3	420	226.7	185.71	112.86	59.52	50	24.57
1.80	3325	3275	3210	2938	2567	2038.1	1361.9	1042.9	704.8	595.2	495.2	410	222.4	182.86	111.43	58.57	49.05	24.14
1.85	3123	2933	2812	2614	2281	1852.4	1271.4	957.1	642.9	566.7	459.5	387.1	215.2	179.52	110	57.14	47.62	23.57

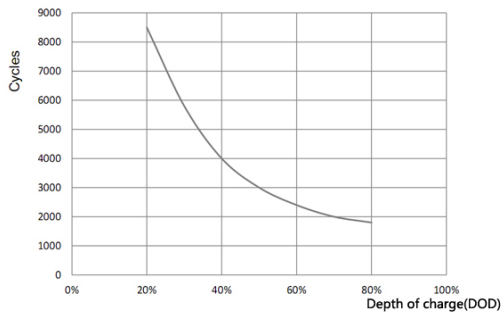
Performance Curve



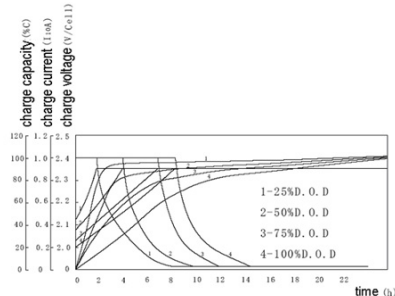
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

