

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

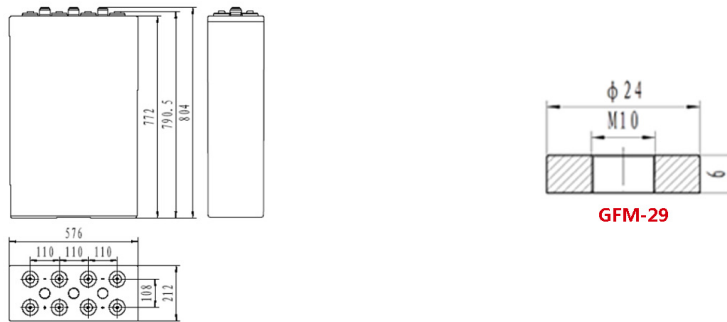
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

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-3000H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(300A, 1.80V)	5HR(510A, 1.80V)	3HR(750A, 1.80V)	1HR(1500A, 1.80V)
	3000	2550	2250	1500
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	576	212	772	804
Approx.Weight(Kg)	222			
Internal Resistance(mΩ)	0.12			
Max. Discharge Current(A/3Sec.)	12420			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:600A		2.25(-3.5mV/°C)	

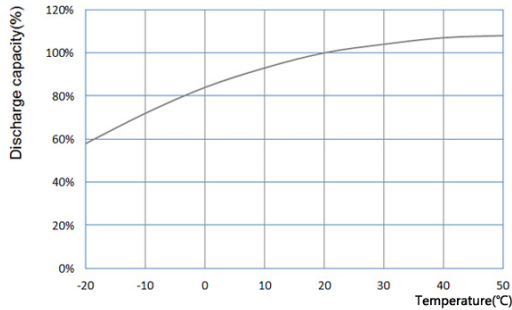


Discharge Data

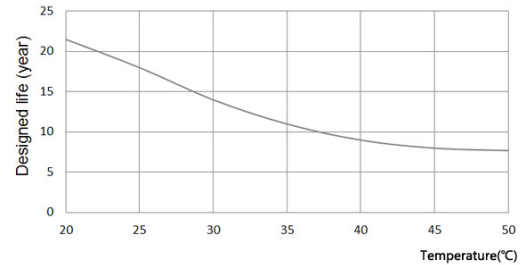
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	3851	3443	3009	2615	2219	1730	1130	883	608	515	398	339	177	149.6	81	40.07	33.89	17.28
1.70	3608	3227	2792	2498	2156	1650	1070	836	575	486	382	327	173	145.6	79.9	39.66	33.57	17.18
1.75	3443	3086	2729	2376	2040	1580	1010	792	545	468	367	315	168	142.3	78.9	39.18	33.27	17.07
1.80	3251	2933	2588	2303	1964	1500	954	750	510	436	353	300	163	139.7	78	38.85	32.88	16.95
1.85	3060	2768	2448	2190	1850	1430	903	710	489	421	334	284	158.6	135.9	76.9	38.03	32.37	16.85

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	6798	6581	6193	5757	5000	3528.6	2428.6	1814.3	1207.1	1021.4	821.4	662.1	352.1	287.86	172.14	93.57	79.29	38.79
1.70	6336	6139	5736	5271	4714	3421.4	2292.9	1728.6	1164.3	985.7	792.9	654.3	345	283.57	170.71	91.43	77.14	37.71
1.75	5742	5562	5343	4850	4286	3350	2142.9	1657.1	1135.7	957.1	771.4	630	340	278.57	169.29	89.29	75	36.86
1.80	5138	4863	4814	4407	3850	3057.1	2042.9	1564.3	1057.1	892.9	742.9	615	333.6	274.29	167.14	87.86	73.57	36.21
1.85	4685	4399	4221	3921	3421	2778.6	1907.1	1435.7	964.3	850	689.3	580.7	322.9	269.29	165	85.71	71.43	35.36

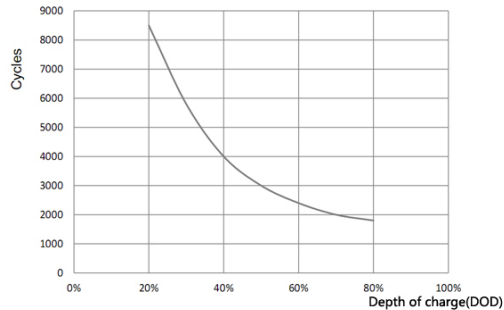
Performance Curve



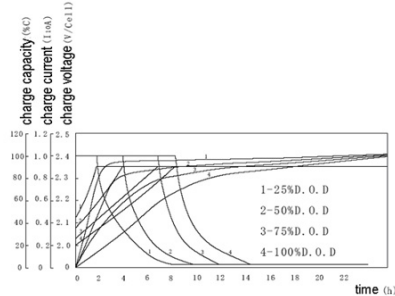
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

