

### 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-SiO<sub>2</sub> micro-porous separator ensure Low self-discharge rate
- Easy installation vertical or horizontal

### Application

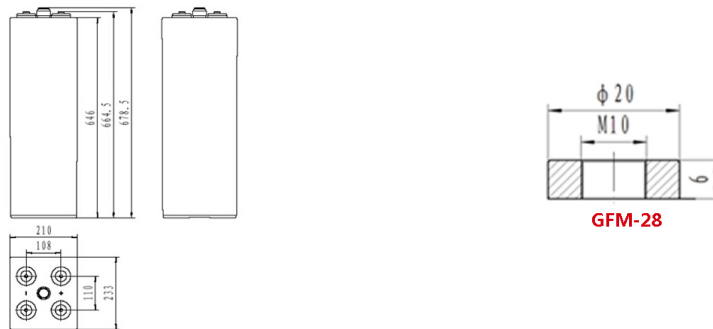
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

### 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-1000H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(100A, 1.80V)	5HR(170A, 1.80V)	3HR(250A, 1.80V)	1HR(500A, 1.80V)
	1000	850	750	500
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	233	210	646	678.5
Approx.Weight(Kg)	77			
Internal Resistance(mΩ)	0.35			
Max. Discharge Current(A/3Sec.)	3905			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:200A		2.25(-3.5mV/°C)	

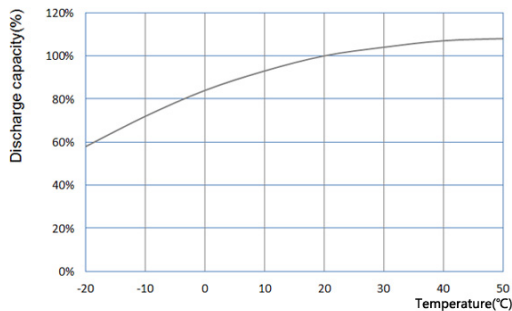


Discharge Data

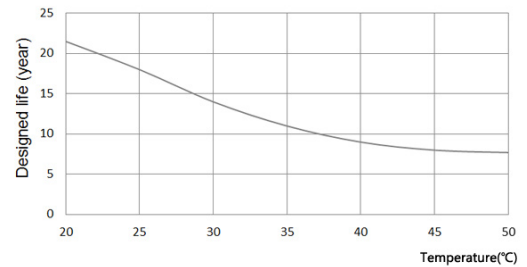
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1338	1205	1113	1022	840	577	376.7	294.3	202.7	171.7	132.7	113	59.2	50.25	26.90	12.97	10.9	5.65
1.70	1282	1117	1038	963	805	550	356.7	278.7	191.7	162	127.3	109	57.8	49.50	26.63	12.93	10.85	5.63
1.75	1183	1053	972	897	780	527	336.7	264	181.7	156	122.3	105	55	48.0	26.3	12.9	10.8	5.6
1.80	1108	995	912	832	710	500	318	250	170	145.3	117.7	100	53.7	44.9	26	12.85	10.75	5.57
1.85	1028	902	833	755	667	477	301	236.7	163	140.3	111.3	94.7	52.2	44.2	25.63	12.78	10.7	5.55

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	2593	2388	2064	1919	1667	1176.2	809.5	604.8	402.4	340.5	273.8	220.7	117.4	95.95	57.38	31.19	26.43	12.93
1.70	2348	2167	1912	1757	1571	1140.5	764.3	576.2	388.1	328.6	264.3	218.1	115	94.52	56.9	30.48	25.71	12.57
1.75	2148	1998	1781	1617	1429	1116.7	714.3	552.4	378.6	319	257.1	210	113.3	92.86	56.43	29.76	25	12.29
1.80	1983	1810	1605	1469	1283	1019	681	521.4	352.4	297.6	247.6	205	111.2	91.43	55.71	29.29	24.52	12.07
1.85	1826	1581	1440	1307	1140	926.2	635.7	478.6	321.4	283.3	229.8	193.6	107.6	89.76	55	28.57	23.81	11.79

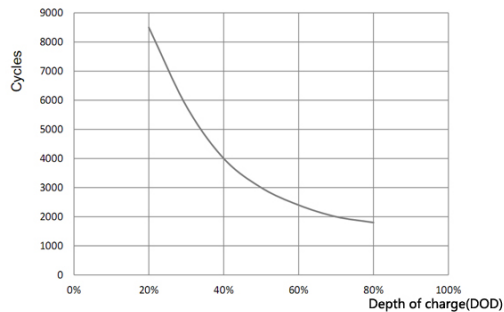
Performance Curve



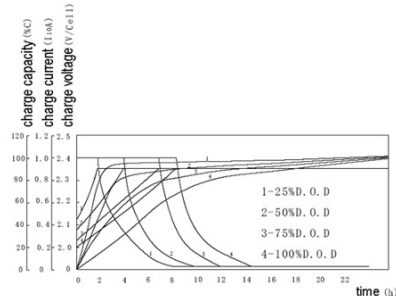
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

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