

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

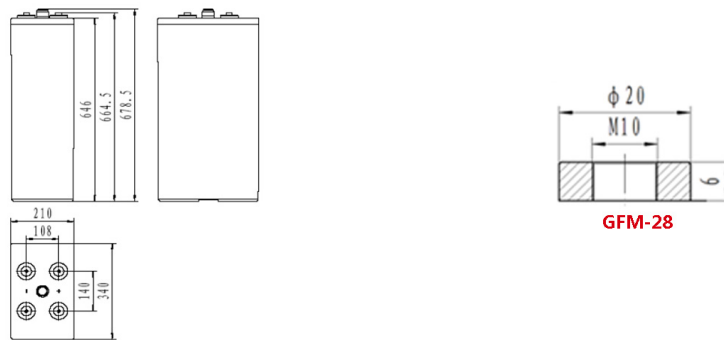
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

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-1500H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(150A, 1.80V)	5HR(255A, 1.80V)	3HR(375A, 1.80V)	1HR(750A, 1.80V)
	1500	1275	1125	750
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	340	210	646	678.5
Approx.Weight(Kg)	112.5			
Internal Resistance(mΩ)	0.24			
Max. Discharge Current(A/3Sec.)	6084			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:300A		2.25(-3.5mV/°C)	

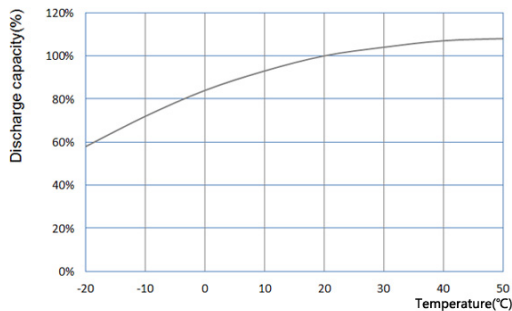


Discharge Data

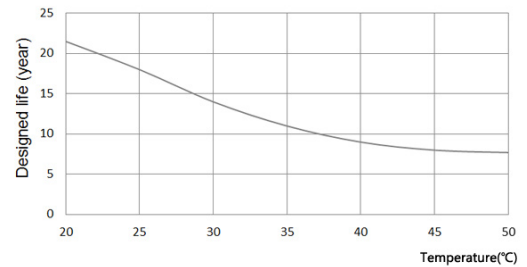
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1925	1721	1505	1307	1109	865	565	441.5	304	257.5	199	169.5	88.8	75.38	40.5	19.45	16.35	8.18
1.70	1804	1613	1396	1211	1078	825	535	418	287.5	243	191	163.5	86.8	74.25	39.95	19.4	16.28	8.15
1.75	1721	1543	1364	1173	1020	790	505	396	272.5	234	183.5	157.5	82.5	72.0	39.45	19.35	16.2	8.1
1.80	1625	1466	1294	1114	982	750	477	375	255	218	176.5	150	80.5	67.35	39	19.21	16.13	8.05
1.85	1530	1384	1224	1070	925	715	451.5	355	244.5	210.5	167	142	78.3	66.7	38.45	19.05	16.05	8.03

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	3349	3240	3096	2879	2500	1764.3	1214.3	907.1	603.6	510.7	410.7	331.1	176.1	143.93	86.07	46.79	39.64	19.39
1.70	3168	2919	2768	2636	2357	1710.7	1146.4	864.3	582.1	492.9	396.4	327.1	172.5	141.79	85.36	45.71	38.57	18.86
1.75	2873	2731	2671	2425	2143	1675	1071.4	828.6	567.9	478.6	385.7	315	170	139.29	84.64	44.64	37.5	18.43
1.80	2519	2431	2407	2204	1925	1528.6	1021.4	782.1	528.6	446.4	371.4	307.5	166.8	137.14	83.57	43.93	36.79	18.11
1.85	2267	2200	2161	1961	1711	1389.3	953.6	717.9	482.1	425	344.6	290.4	161.4	134.64	82.5	42.86	35.71	17.68

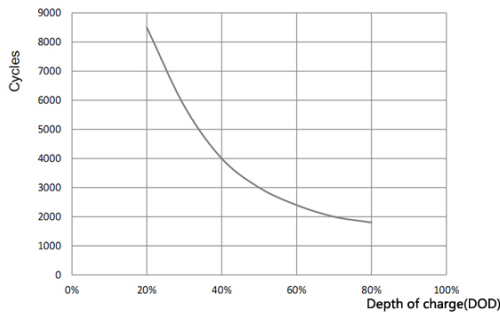
Performance Curve



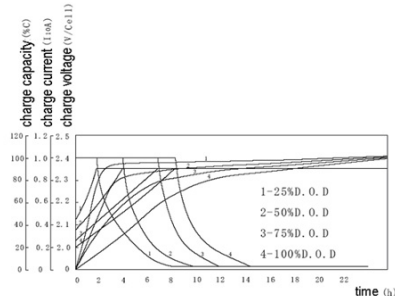
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

