

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

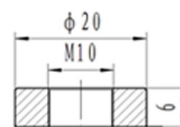
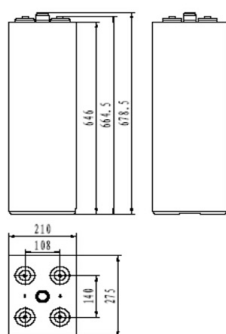
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

Standards

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



Drawing



GFM-28

Specification

Battery Model	GFMJ-1200H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(120A, 1.80V)	5HR(204A, 1.80V)	3HR(300A, 1.80V)	1HR(600A, 1.80V)
	1200	1020	900	600
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	275	210	646	678.5
Approx.Weight(Kg)	91.5			
Internal Resistance(mΩ)	0.3			
Max. Discharge Current(A/3Sec.)	4355			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:240A		2.25(-3.5mV/°C)	

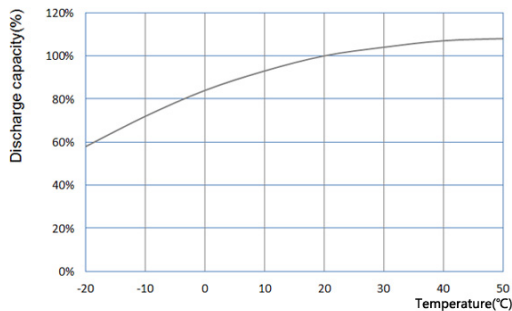


Discharge Data

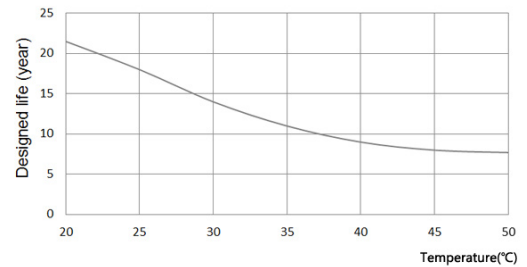
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1812	1620	1416	1230	1008	692	452	353.2	243.2	206	159.2	135.6	71	60.30	32.40	15.56	13.08	6.78
1.70	1698	1518	1314	1140	966	660	428	334.4	230	194.4	152.8	130.8	69.4	59.40	31.96	15.52	13.02	6.76
1.75	1620	1452	1284	1104	936	632	404	316.8	218	187.2	146.8	126	66	57.60	31.56	15.48	12.96	6.72
1.80	1530	1380	1218	1020	852	600	381.6	300	204	174.4	141.2	120	64.4	53.88	31.2	15.40	12.9	6.68
1.85	1440	1302	1152	960	800	572	361.2	284	195.6	168.4	133.6	113.6	62.6	53.36	30.76	15.35	12.84	6.66

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	2711	2678	2477	2303	2000	1411.4	971.4	725.7	482.9	408.6	328.6	264.9	140.9	115.14	68.86	37.43	31.71	15.51
1.70	2573	2419	2294	2109	1886	1368.6	917.1	691.4	465.7	394.3	317.1	261.7	138	113.43	68.29	36.57	30.86	15.09
1.75	2437	2297	2137	1940	1714	1340	857.1	662.9	454.3	382.9	308.6	252	136	111.43	67.71	35.71	30	14.74
1.80	2268	2171	1969	1763	1540	1222.9	817.1	625.7	422.9	357.1	297.1	246	133.4	109.71	66.86	35.14	29.43	14.49
1.85	2001	1897	1729	1569	1369	1111.4	762.9	574.3	385.7	340	275.7	232.3	129.1	107.71	66	34.29	28.57	14.14

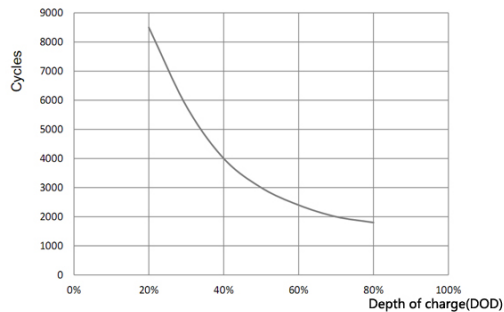
Performance Curve



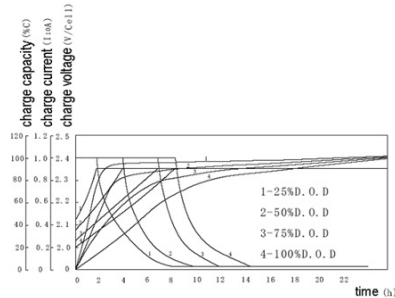
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

