

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

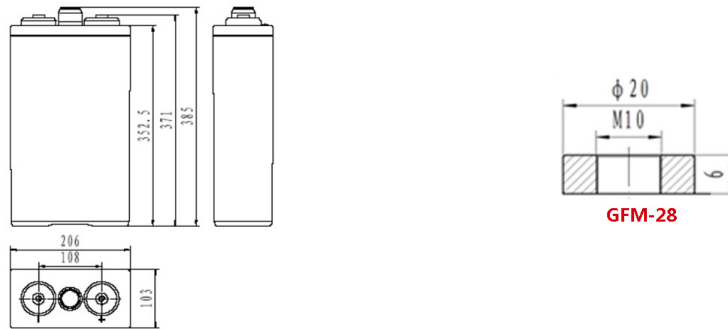
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

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-200H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(20A,1.80V)	5HR(34A,1.80V)	3HR(50A,1.80V)	1HR(100A,1.80V)
	200	170	150	100
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	103	206	352.5	385
Approx.Weight(Kg)	18			
Internal Resistance(mΩ)	0.75			
Max. Discharge Current(A/3Sec.)	1196			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:40A		2.25(-3.5mV/°C)	

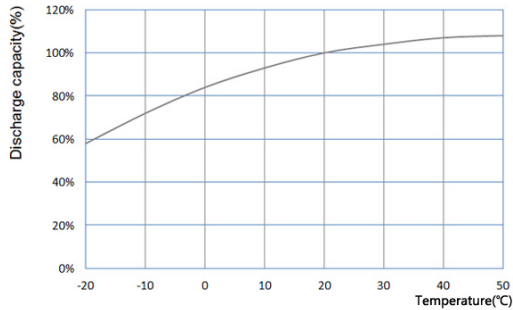


Discharge Data

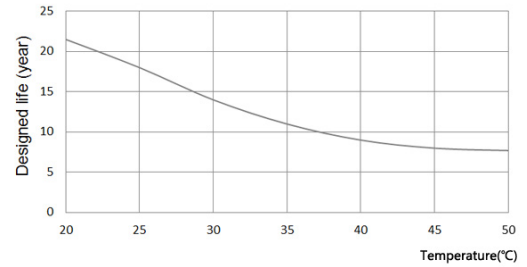
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	302	270	236	205	174	115	75.3	58.9	40.5	34.3	26.5	22.6	11.8	9.97	5.4	2.8	2.37	1.21
1.70	283	253	219	195	169	110	71.3	55.7	38.3	32.4	25.5	21.8	11.5	9.71	5.33	2.77	2.35	1.2
1.75	270	242	212	184	160	105	67.3	52.8	36.3	31.2	24.5	21	11.2	9.49	5.26	2.75	2.33	1.19
1.80	255	230	203	177	154	100	63.6	50	34	29.1	23.5	20	10.9	9.31	5.2	2.71	2.31	1.17
1.85	240	217	192	167	145	95	60.2	47.3	32.6	28.1	22.3	18.9	10.6	9.06	5.13	2.67	2.27	1.15

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	503	492	453	430	365	238.7	154	118.7	80	68.3	53.1	46.1	23.3	19.93	11.03	5.77	4.99	2.45
1.70	476	462	426	392	343	230	146.7	112.7	76.5	65.3	52.3	45.2	22.3	19.47	10.96	5.68	4.93	2.42
1.75	447	427	399	361	313	221.3	137.3	110	74	62	50.9	43.3	21.9	19	10.87	5.63	4.89	2.39
1.80	403	375	348	319	282	208	131.3	103.3	68.7	59.7	48.2	41.8	21.3	18.6	10.82	5.59	4.83	2.37
1.85	361	326	303	283	246	193.3	122.7	94.7	65	56.2	45.3	38.1	20.5	18.13	10.69	5.53	4.75	2.34

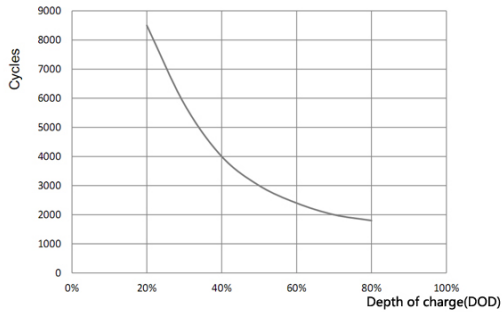
Performance Curve



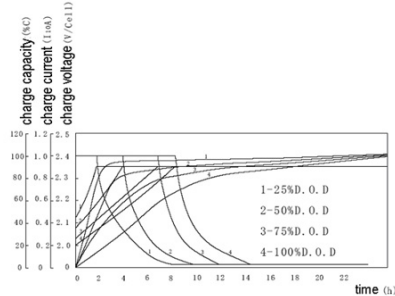
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

