

### 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

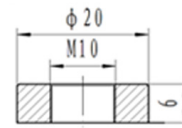
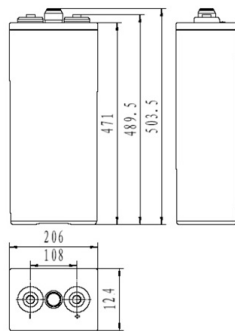
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

### Standards

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



### Drawing



GFM-28

### Specification

Battery Model	GFMJ-350H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(35A,1.80V)	5HR(59.5A,1.80V)	3HR(87.5A,1.80V)	1HR(175A,1.80V)
	350	297.5	262.5	175
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	124	206	471	503.5
Approx.Weight(Kg)	28			
Internal Resistance(mΩ)	0.58			
Max. Discharge Current(A/3Sec.)	2116			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:70A		2.25(-3.5mV/°C)	

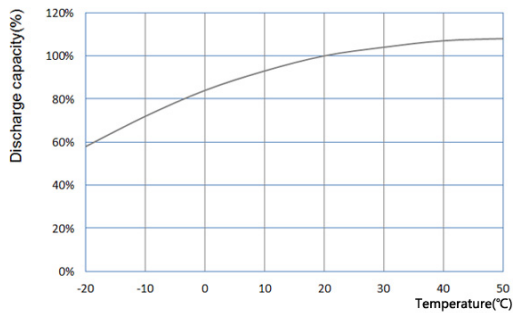


## Discharge Data

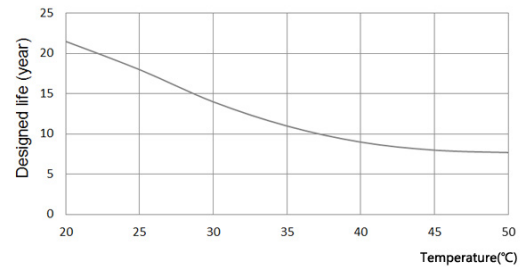
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	487	453	413	359	290	202	133.2	103	70.9	60.1	45.5	36.7	20	17.20	9.45	4.89	4.10	2.10
1.70	450	423	384	341	279	193	129.5	97.5	67.1	56.7	44.6	36.2	19.7	16.74	9.32	4.85	4.07	2.06
1.75	423	404	371	322	261	184	127	92.4	63.6	54.6	42.8	35.6	19.4	16.42	9.21	4.8	4.03	2.03
1.80	398	386	356	309	249	175	121	87.5	59.5	50.9	41.2	35	18.9	16.14	9.1	4.75	3.99	2.01
1.85	381	360	336	293	230	167	114.6	82.8	57.1	49.1	39	34.1	18.3	15.6	8.97	4.67	3.93	1.98

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	908	836	723	672	583	411.7	283.3	211.7	140.8	119.2	95.8	77.3	41.1	33.58	20.08	10.92	9.25	4.53
1.70	822	758	669	615	550	399.2	267.5	201.7	135.8	115	92.5	76.3	40.3	33.08	19.92	10.67	9	4.4
1.75	752	699	623	566	500	390.8	250	193.3	132.5	111.7	90	73.5	39.7	32.5	19.75	10.42	8.75	4.3
1.80	694	633	562	514	449	356.7	238.3	182.5	123.3	104.2	86.7	71.8	38.9	32	19.5	10.25	8.58	4.23
1.85	639	553	504	458	399	324.2	222.5	167.5	112.5	99.2	80.4	67.8	37.7	31.42	19.25	10	8.33	4.13

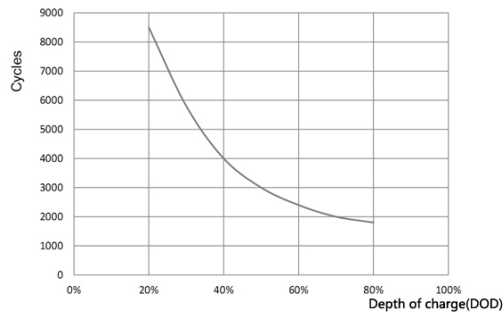
## Performance Curve



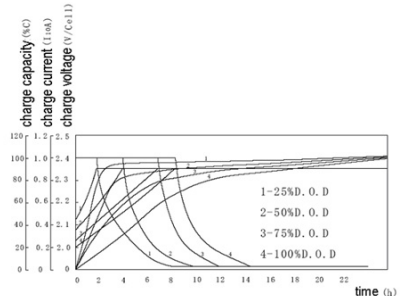
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth