

### 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

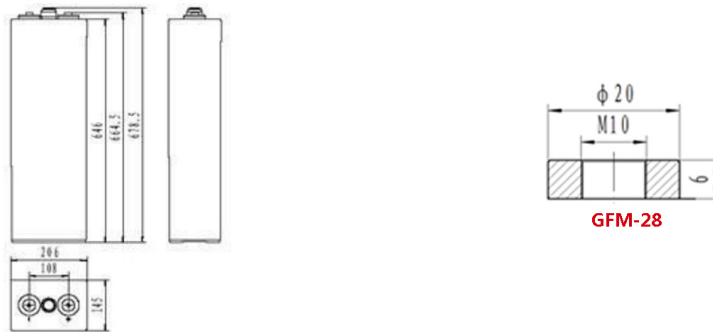
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

### 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-600H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(60A,1.80V)	5HR(102A,1.80V)	3HR(150A,1.80V)	1HR(300A,1.80V)
	600	510	450	300
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	145	206	646	678.5
Approx.Weight(Kg)	46.5			
Internal Resistance(mΩ)	0.45			
Max. Discharge Current(A/3Sec.)	3496			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:120A		2.25(-3.5mV/°C)	

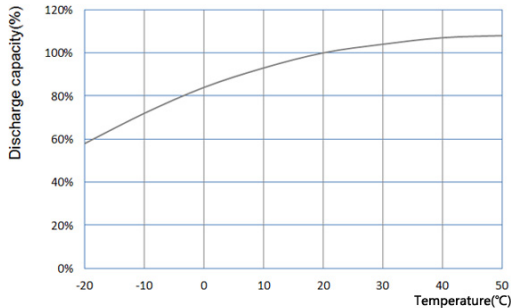


Discharge Data

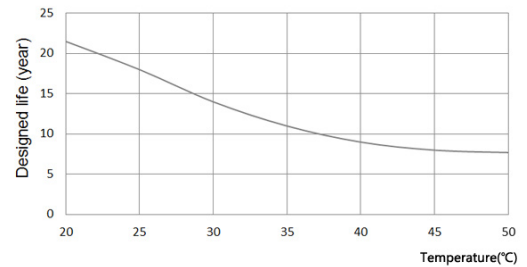
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	803	723	668	613	504	346	226	176.6	121.6	103	79.6	67.8	35.5	30.50	16.2	7.78	6.54	3.39
1.70	769	670	623	578	483	330	214	167.2	115	97.2	76.4	65.4	34.7	29.90	15.98	7.76	6.51	3.38
1.75	710	632	583	538	468	316	202	158.4	109	93.6	73.4	63	33	28.80	15.78	7.74	6.48	3.36
1.80	665	597	547	499	426	300	190.8	150	102	87.2	70.6	60	32.2	27.67	15.6	7.73	6.45	3.34
1.85	617	541	500	453	400	286	180.6	142	97.8	84.2	66.8	56.8	31.3	26.79	15.38	7.72	6.42	3.33

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	1556	1433	1239	1151	1000	705.7	485.7	362.9	241.4	204.3	164.3	132.4	70.4	57.57	34.43	18.71	15.86	7.76
1.70	1409	1300	1147	1054	943	684.3	458.6	345.7	232.9	197.1	158.6	130.9	69	56.71	34.14	18.29	15.43	7.54
1.75	1289	1199	1069	970	857	670	428.6	331.4	227.1	191.4	154.3	126	68	55.71	33.86	17.86	15	7.37
1.80	1190	1086	963	881	770	611.4	408.6	312.9	211.4	178.6	148.6	123	66.7	54.86	33.43	17.57	14.71	7.24
1.85	1096	949	864	784	684	555.7	381.4	287.1	192.9	170	137.9	116.1	64.6	53.86	33	17.14	14.29	7.07

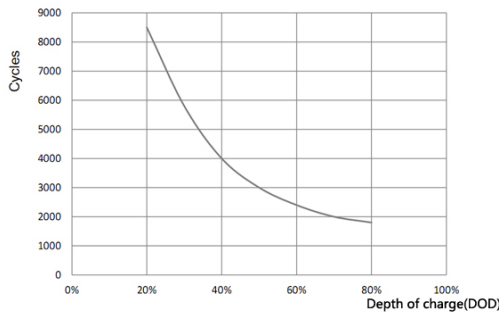
Performance Curve



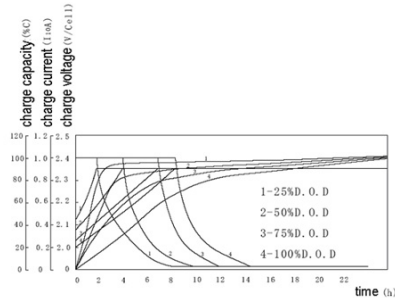
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

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