

Advantages

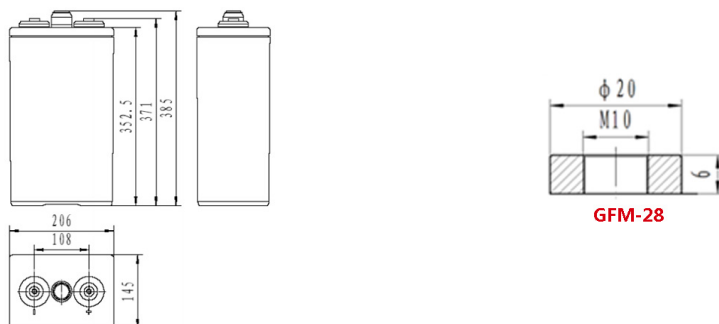
- Long life according to EUROBAT Classification
- Up to 1500 deep discharge cycles
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- GEL state electrolyte prevents leakage and layering
- Low resistance PVC-SiO₂ micro-porous separator ensure Low self-discharge 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-300H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(30A,1.80V)	5HR(51A,1.80V)	3HR(75A,1.80V)	1HR(150A,1.80V)
	300	255	225	150
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	145	206	352.5	385
Approx.Weight(Kg)	25.5			
Internal Resistance(mΩ)	0.6			
Max. Discharge Current(A/3Sec.)	1794			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:60A		2.25(-3.5mV/°C)	

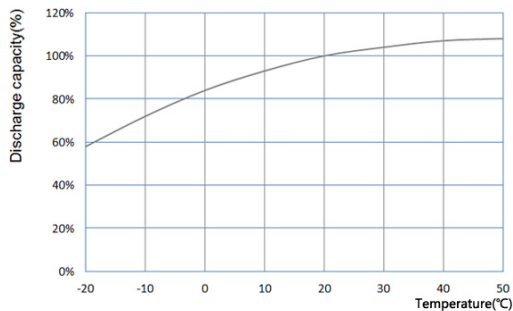


Discharge Data

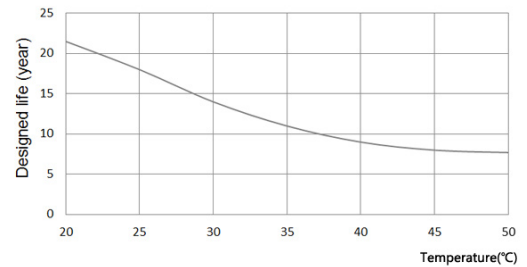
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	453	405	354	308	261	173	113	88.3	60.8	51.5	39.8	33.9	17.7	14.96	8.1	4.2	3.56	1.82
1.70	425	380	329	292	254	165	107	83.6	57.5	48.6	38.2	32.7	17.3	14.56	7.99	4.16	3.53	1.8
1.75	405	363	318	276	240	158	101	79.2	54.5	46.8	36.7	31.5	16.8	14.23	7.89	4.12	3.5	1.78
1.80	383	345	305	265	231	150	95.4	75	51	43.6	35.3	30	16.3	13.97	7.8	4.07	3.46	1.76
1.85	360	326	288	251	218	143	90.3	71	48.9	42.1	33.4	28.4	15.9	13.59	7.69	4	3.41	1.73

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	755	738	680	645	548	358	231	178	120	102.5	79.7	69.2	34.9	29.9	16.54	8.65	7.48	3.67
1.70	714	693	639	588	515	345	220	169	114.8	98	78.5	67.8	33.5	29.2	16.44	8.52	7.4	3.63
1.75	670	640	598	541	470	332	206	165	111	93	76.3	65	32.8	28.5	16.3	8.45	7.33	3.59
1.80	604	563	522	478	423	312	197	155	103	89.5	72.3	62.7	31.9	27.9	16.23	8.38	7.25	3.55
1.85	541	489	455	425	369	290	184	142	97.5	84.3	68	57.2	30.7	27.2	16.03	8.29	7.13	3.51

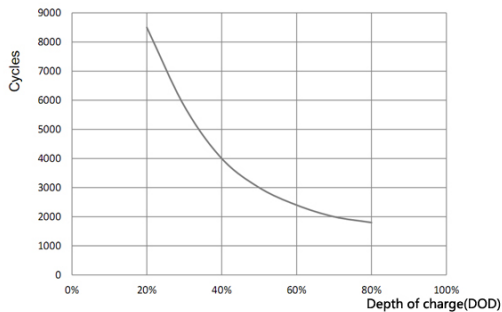
Performance Curve



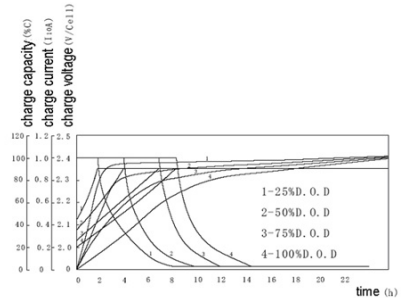
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth

