

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

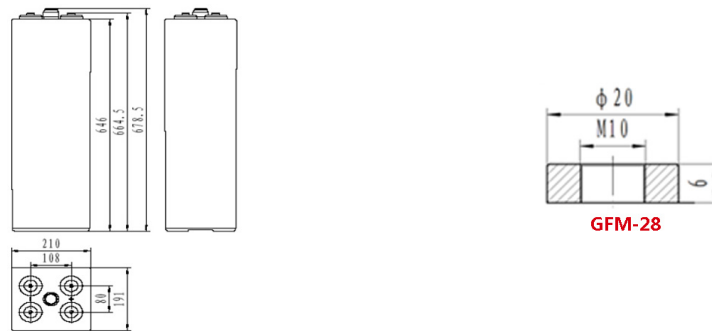
- Telecommunication
- Power system
- Energy storage
- UPS
- Emergency power

Standards

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



Drawing



Specification

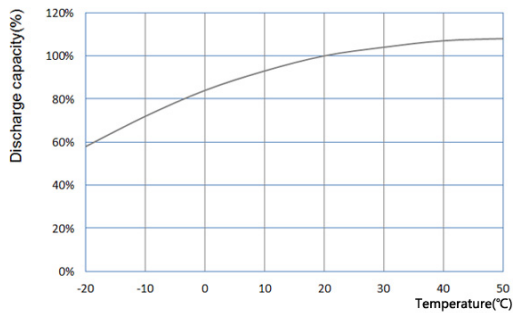
Battery Model	GFMJ-800H			
Designed Life(Years)	18			
Capacity(Ah/25°C)	10HR(80A,1.80V)	5HR(136A,1.80V)	3HR(200A,1.80V)	1HR(400A,1.80V)
	800	680	600	400
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	191	210	646	678.5
Approx.Weight(Kg)	62			
Internal Resistance(mΩ)	0.4			
Max. Discharge Current(A/3Sec.)	3548			
Self Discharge(25°C)	<=3% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.33(-3.5mV/°C),max charge current:160A		2.25(-3.5mV/°C)	

Discharge Data

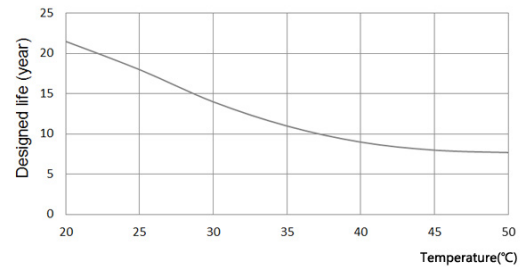
Constant current discharge data(25°C,A)																		
Endvoltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1071	964	891	817	672	461	301.3	235.5	162.1	137.3	106.1	90.4	47.3	40.20	21.6	10.37	8.72	4.52
1.70	1025	893	831	771	644	440	285.3	222.9	153.3	129.6	101.9	87.2	46.3	39.60	21.31	10.35	8.68	4.51
1.75	947	843	777	717	624	421	269.3	211.2	145.3	124.8	97.9	84	44	38.40	21.04	10.32	8.64	4.48
1.80	887	796	729	665	568	400	254.4	200	136	116.3	94.1	80	42.9	35.92	20.8	10.28	8.6	4.45
1.85	823	721	667	604	533	381	240.8	189.3	130.4	112.3	89.1	75.7	41.7	35.57	20.51	10.20	8.56	4.44

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	2074	1910	1651	1535	1333	941	647.6	483.8	321.9	272.4	219	176.6	93.9	76.76	45.9	24.95	21.14	10.34
1.70	1878	1733	1530	1406	1257	912.4	611.4	461	310.5	262.9	211.4	174.5	92	75.62	45.52	24.38	20.57	10.06
1.75	1718	1598	1425	1293	1143	893.3	571.4	441.9	302.9	255.2	205.7	168	90.7	74.29	45.14	23.81	20	9.83
1.80	1587	1448	1284	1175	1027	815.2	544.8	417.1	281.9	238.1	198.1	164	89	73.14	44.57	23.43	19.62	9.66
1.85	1461	1265	1152	1046	912	741	508.6	382.9	257.1	226.7	183.8	154.9	86.1	71.81	44	22.86	19.05	9.43

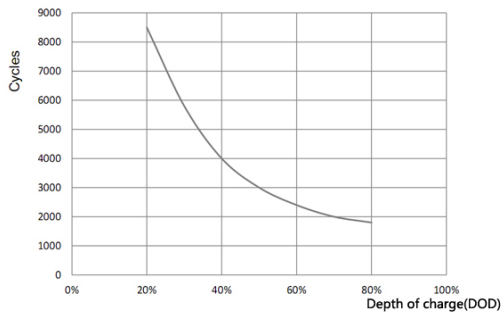
Performance Curve



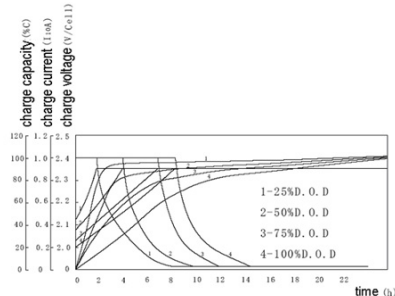
Temperature Vs capacity



Designed life Vs temperature



Cycle life Vs Discharge depth



Charge Vs discharge depth