

Product Features

- Patent rectangular gridding grid design which provide long service life;
- Special negative active material additives to improve the performance of high and low temperature and battery charge receptivity;
- Patent positive plate 4BS technology, high temperature and high humidity curing process which provide high cycle capability;
- Polar group tight assembly technology, effectively prevent the active material softening and shedding.

Application

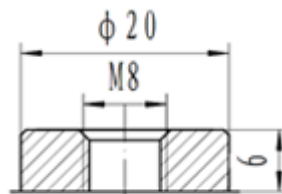
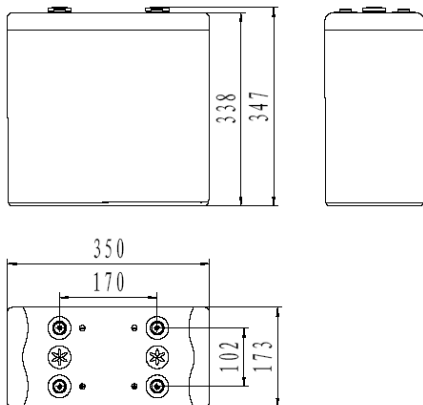
- Solar energy system
- Wind energy system
- Wind and solar complementary energy system

Compliant Standards

- GB/T 22473-2008
- IEC 61427-2005
- JIS C8704-1: 2006
- JIS C8704-2: 2006
- Passed ISO9001、ISO14001、OHSAS18001、UL、CE and Golden Sun certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

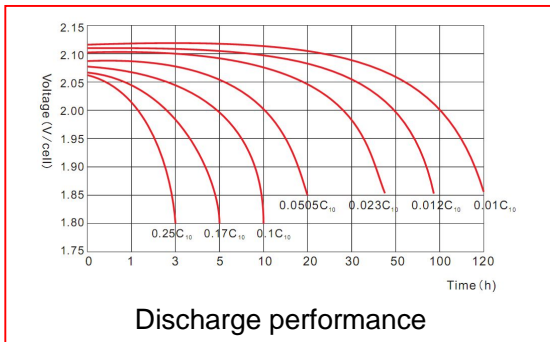
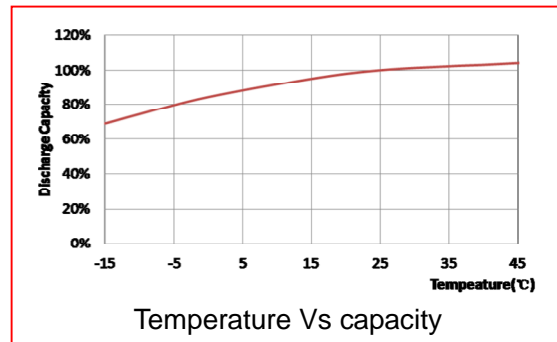
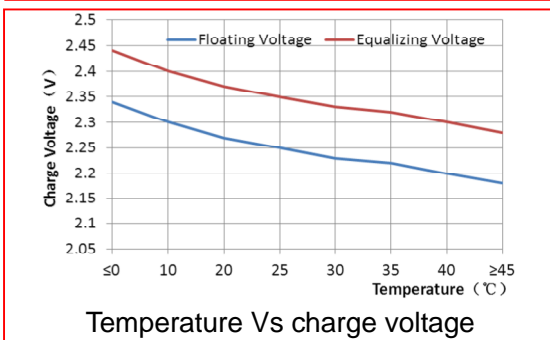
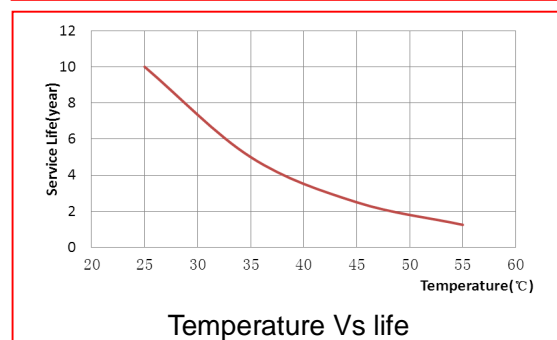

GFM-21

Battery Model	GFMU-800C			
Designed Life	15Years			
Capacity(25°C)	120HR(8.0A,1.85V)		20HR(40.8A,1.80V)	10HR(80A,1.80V)
	960AH		816AH	800AH
Dimensions	Length	Width	Height	Total Height
	350mm	173mm	338mm	347mm
Approx. Weight	49.0kg			
Internal Resistance	0.19mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER (25			
Max Discharge Current	4000A(5 Sec.)			
Self Discharge	≤1% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V(-3.5mV/°C), max charge current:120A		2.25V(-3.5mV/°C)	

Discharge parameter:

Constant current discharge data (25°C, A)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	440	276	203	164	137	120	107	96.8	88.5	80.5	67.7	41.3	35.3	18.9	9.87	8.21	4.19
1.80	421	267	200	161	136	119	106	95.9	87.6	80.0	66.7	40.8	34.9	18.7	9.80	8.11	4.16
1.85	389	252	189	152	132	115	103	93.5	85.9	78.9	65.7	40.3	34.6	18.4	9.76	8.00	4.13
1.90	363	235	179	145	127	111	99.6	90.9	84.1	77.5	64.8	39.7	34.1	18.1	9.72	7.89	4.11
1.95	327	219	168	140	122	107	96.9	88.7	82.5	76.3	63.9	39.2	33.9	18.0	9.68	7.79	4.08

Constant power discharge data (25°C, W/cell)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	729	481	364	293	251	222	202	183	166	152	130	82.1	70.7	37.1	19.1	15.8	8.29
1.80	697	468	356	288	247	218	198	180	164	151	129	81.3	70.2	36.9	19.0	15.7	8.26
1.85	668	453	347	282	241	215	195	178	161	148	127	80.7	69.7	36.8	18.9	15.6	8.22
1.90	639	439	337	276	236	210	191	175	158	144	126	80.0	69.2	36.5	18.9	15.6	8.19
1.95	604	422	328	269	230	206	188	171	155	142	124	79.6	68.8	36.5	18.8	15.5	8.16

Performance Curve:

Discharge performance

Temperature Vs capacity

Temperature Vs charge voltage

Temperature Vs life


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