

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

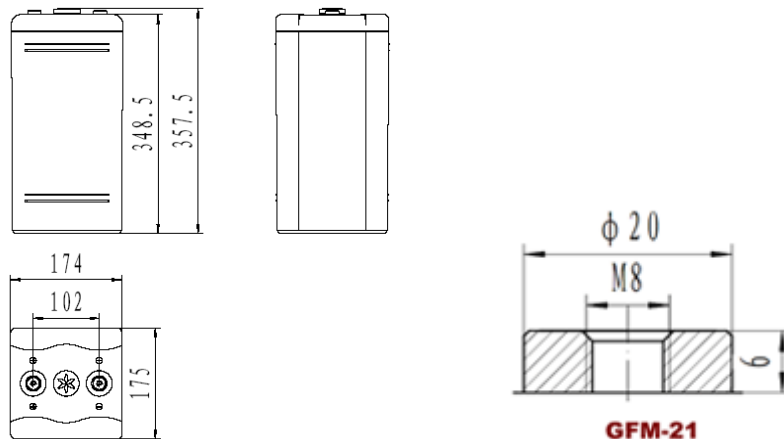
- Solar energy system
- Wind energy system
- Wind and solar complementary energy system

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

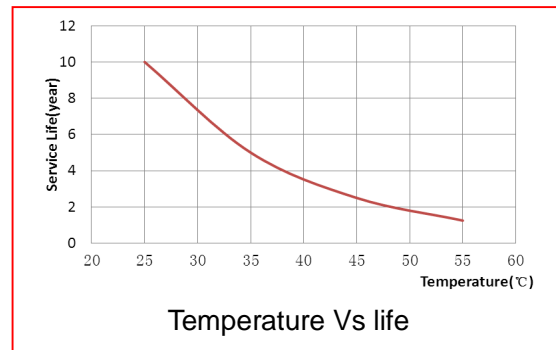
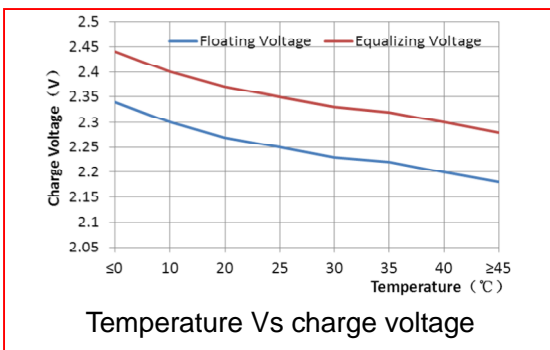
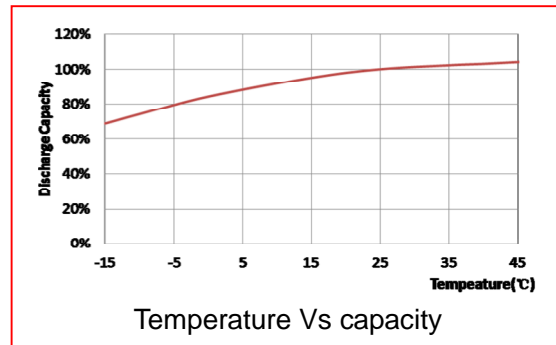
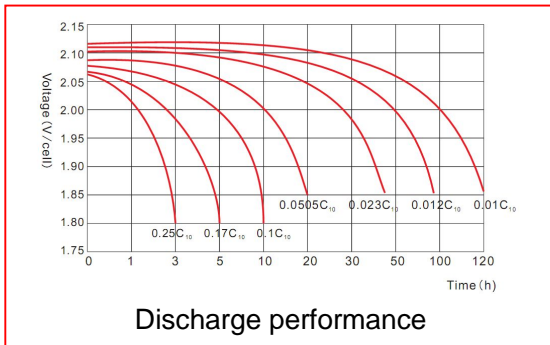

GFM-21

Battery Model	GFMU-400C			
Designed Life	15Years			
Capacity(25°C)	120HR(4.0A,1.85V)		20HR(20.4A,1.80V)	10HR(40A,1.80V)
	480AH		408AH	400AH
Dimensions	Length	Width	Height	Total Height
	175mm	174mm	348.5mm	357.5mm
Approx. Weight	24.0kg			
Internal Resistance	0.36mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER (25			
Max Discharge Current	2000A(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:60A		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	220	138	101	82.0	68.7	60.1	53.5	48.4	44.3	40.3	33.9	20.7	17.7	9.47	4.93	4.11	2.09
1.80	211	133	100	80.7	68.0	59.4	52.9	47.9	43.8	40.0	33.3	20.4	17.5	9.33	4.90	4.05	2.08
1.85	195	126	94.7	76.0	65.9	57.7	51.4	46.7	42.9	39.5	32.9	20.1	17.3	9.20	4.88	4.00	2.07
1.90	181	117	89.3	72.7	63.3	55.7	49.8	45.5	42.1	38.7	32.4	19.9	17.1	9.07	4.86	3.95	2.05
1.95	163	109	84.0	70.0	60.8	53.7	48.5	44.3	41.3	38.1	31.9	19.6	16.9	9.00	4.84	3.89	2.04

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	365	240	182	147	126	111	101	91.4	83.2	76.1	65.0	41.0	35.3	18.5	9.55	7.91	4.14
1.80	348	234	178	144	123	109	99.0	90.2	82.1	75.3	64.3	40.7	35.1	18.4	9.52	7.86	4.13
1.85	334	226	174	141	121	107	97.3	89.0	80.5	73.8	63.6	40.4	34.8	18.4	9.47	7.82	4.11
1.90	319	220	169	138	118	105	95.6	87.6	79.1	72.0	62.9	40.0	34.6	18.3	9.44	7.78	4.10
1.95	302	211	164	135	115	103	93.9	85.5	77.4	70.8	61.8	39.8	34.4	18.2	9.40	7.74	4.08

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