

Advantages

- Very long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Horizontal installation

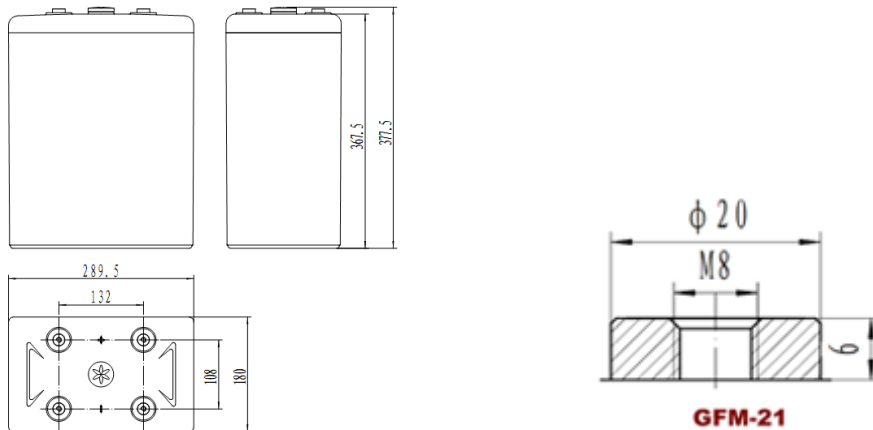
Application

- Solar (Wind) energy system
- Solar communication/station
- Mobile storage system

Standards

- IEC 61427-2005
- JIS C8704-1/2:2006
- Eurobat guide
- Installation compliant with EN50272-2

Drawing



Specification

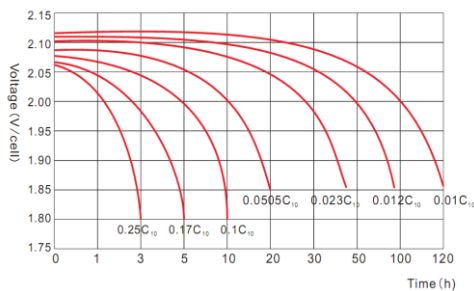
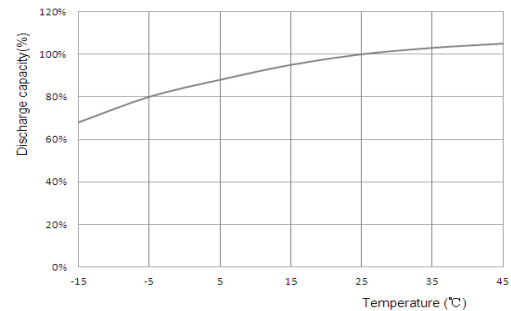
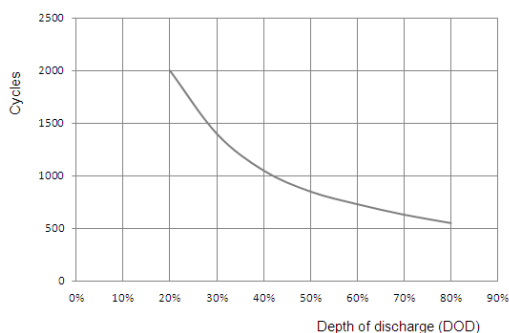
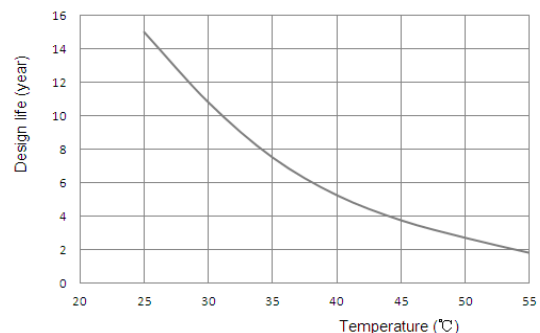
Battery Model	GFMU-800C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(8.0A,1.85V)	100HR(9.41A, 1.85V)	20HR(42.3A,1.80V)	10HR(80A,1.80V)
	960	941	846	800
Dimensions (mm)	Length	Width	Height	Total Height
	289.5	180	367.5	377.5
Approx. Weight (kg)	46.0			
Internal Resistance (mΩ)	0.34			
Maximum Discharge Current (A/5 Sec.)	2800			
Self-Discharge (25°C)	≤1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current:120A		2.25 (-3.5mV/°C/cell)	

Discharge Data
Constant current discharge data (25°C , A)

End voltage (V/cell)	h													
	1	2	3	5	6	8	10	12	20	24	48	100	120	240
1.75	440	272	208	141	122	99.2	82.4	68.8	43.4	36.3	18.8	9.50	8.06	4.14
1.80	400	256	200	136	118	96.0	80.0	67.2	42.3	35.4	18.7	9.46	8.03	4.13
1.85	373	240	190	132	115	92.9	77.8	65.0	41.2	34.5	18.6	9.41	8.00	4.11
1.90	353	227	180	127	110	89.8	76.1	63.4	40.1	33.8	18.4	9.36	7.94	4.10
1.95	331	216	170	121	105	86.2	73.4	62.0	38.9	33.0	18.3	9.32	7.89	4.08

Constant power discharge data (25°C , W/cell)

End voltage (V/cell)	h													
	1	2	3	5	6	8	10	12	20	24	48	100	120	240
1.75	832	520	400	273	236	193	161	135	84.4	71.6	37.3	18.9	16.0	8.27
1.80	766	495	388	265	232	188	157	132	82.8	70.0	37.2	18.9	16.0	8.26
1.85	721	467	371	260	226	183	154	129	80.4	68.5	37.0	18.8	16.0	8.22
1.90	687	444	353	249	217	178	151	126	78.7	67.2	36.7	18.7	15.9	8.20
1.95	648	425	336	239	208	171	146	123	76.8	65.7	36.5	18.6	15.8	8.18

Performance Curve :

Discharge performance

Temperature vs. capacity

DOD vs. cycles

Design life vs. temperature
Sacred Sun Power Sources Co., Ltd.

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