

Advantages

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

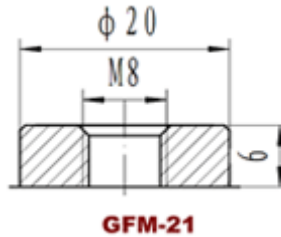
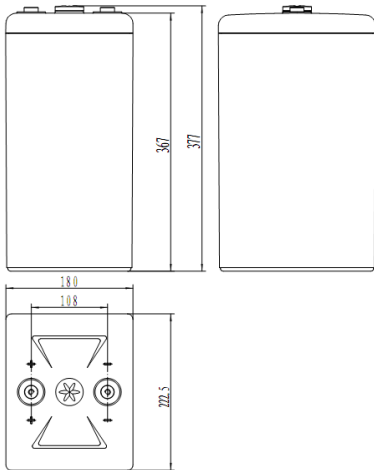
Application

- 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



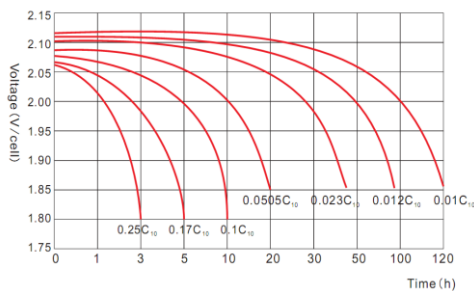
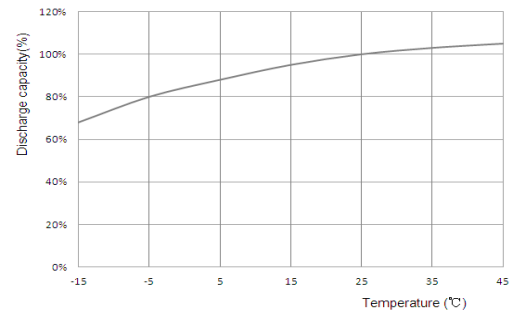
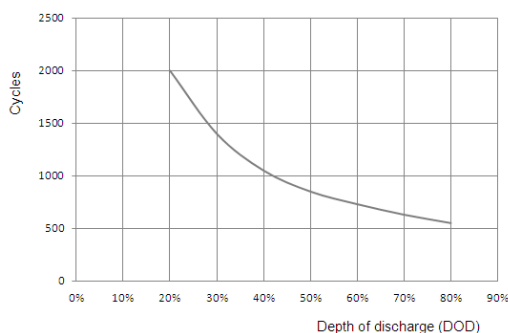
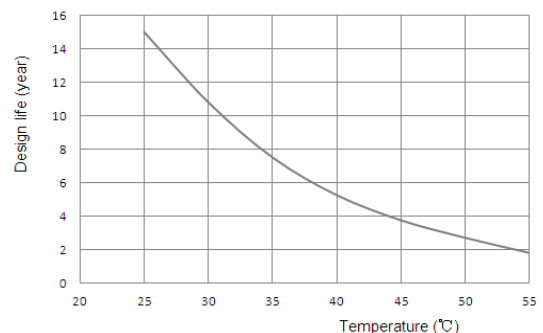
Specification

Battery Model	GFMU-600C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(6.0A,1.85V)	100HR(7.05A, 1.85V)	20HR(31.7A,1.80V)	10HR(60A,1.80V)
	720	705	634	600
Dimensions (mm)	Length	Width	Height	Total Height
	222.5	180	367	377
Approx. Weight (kg)	34.5			
Internal Resistance (mΩ)	0.35			
Maximum Discharge Current (A/5 Sec.)	2100			
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:90A		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	330	204	156	106	91.2	74.4	61.8	51.6	32.5	27.2	14.1	7.12	6.05	3.11
1.80	300	192	150	102	88.8	72.0	60.0	50.4	31.7	26.5	14.0	7.09	6.02	3.10
1.85	280	180	142	99.4	86.1	69.7	58.4	48.8	30.9	25.9	14.0	7.05	6.00	3.08
1.90	265	170	135	94.9	82.6	67.4	57.0	47.6	30.0	25.4	13.8	7.02	5.95	3.07
1.95	248	162	128	90.4	78.9	64.7	55.0	46.5	29.2	24.7	13.7	6.99	5.92	3.06

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	624	390	300	205	177	145	121	101	63.3	53.7	28.0	14.2	12.0	6.20
1.80	575	371	291	199	174	141	118	99.3	62.1	52.5	27.9	14.1	12.0	6.19
1.85	541	350	278	195	169	137	115	96.4	60.3	51.4	27.8	14.1	12.0	6.17
1.90	515	333	265	187	163	133	113	94.2	59.0	50.4	27.5	14.0	11.9	6.15
1.95	486	319	252	179	156	128	109	92.4	57.6	49.3	27.4	14.0	11.8	6.13

Performance Curve :

Discharge performance

Temperature vs. capacity

DOD vs. cycles

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

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