

Advantages

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

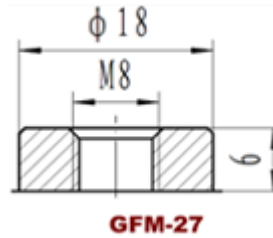
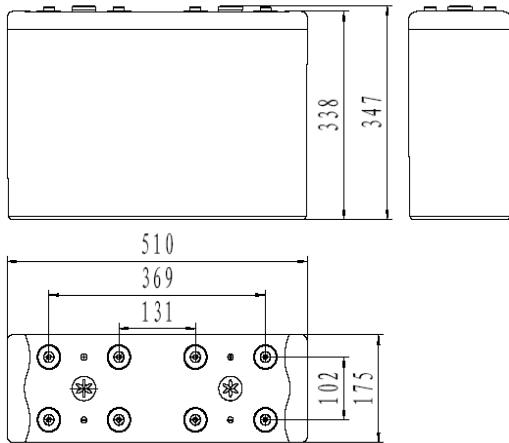
Application

- 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

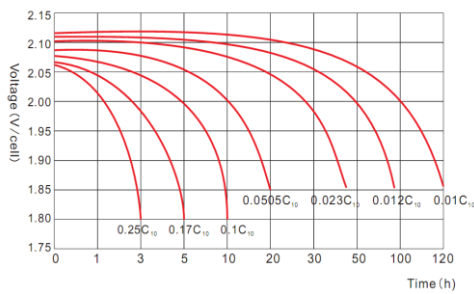
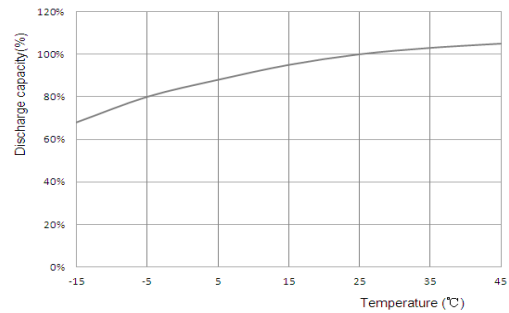
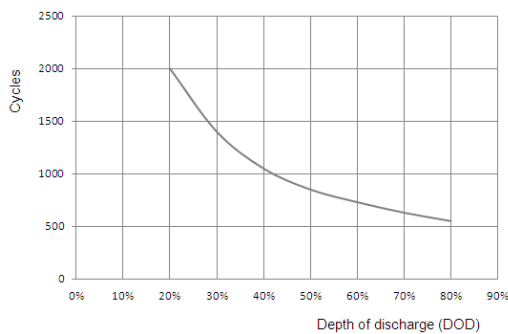
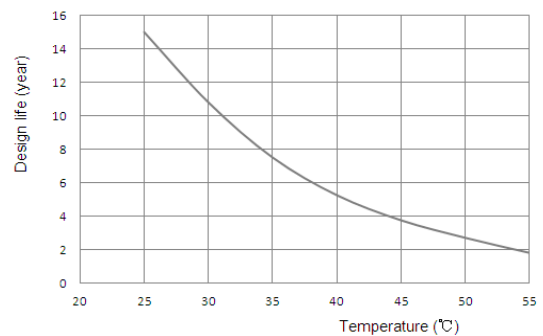
Battery Model	GFMU-1200C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(12A,1.85V)	100HR(14.02A, 1.85V)	20HR(61.2A,1.80V)	10HR(120A,1.80V)
	1440	1402	1224	1200
Dimensions (mm)	Length	Width	Height	Total Height
	510	175	338	347
Approx. Weight (kg)	71.5			
Internal Resistance (mΩ)	0.18			
Maximum Discharge Current (A/5 Sec.)	6000			
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:180A		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	660	414	304	206	180	145	121	102	62.0	53.0	28.4	14.21	12.3	6.28
1.80	632	400	300	204	178	144	120	100	61.2	52.4	28.0	14.11	12.2	6.24
1.85	584	378	284	198	173	140	118	99	60.4	51.8	27.6	14.02	12.0	6.20
1.90	544	352	268	190	167	136	116	97.2	59.6	51.2	27.2	14.02	11.8	6.16
1.95	490	328	252	182	161	133	114	95.8	58.8	50.8	27.0	13.92	11.7	6.12

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	1094	721	546	377	332	274	228	195	123	106	55.6	27.6	23.7	12.4
1.80	1045	701	534	370	327	271	226	193	122	105	55.3	27.5	23.6	12.4
1.85	1001	679	521	362	322	267	221	191	121	105	55.2	27.3	23.5	12.3
1.90	958	659	506	354	316	263	216	189	120	104	54.8	27.2	23.4	12.3
1.95	905	634	492	345	309	256	212	185	119	103	54.7	27.1	23.2	12.2

Performance Curve :

Discharge performance

Temperature vs. capacity

DOD vs. cycles

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

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