

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

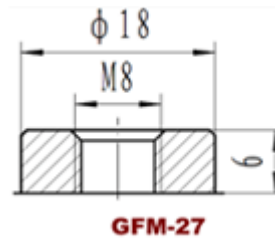
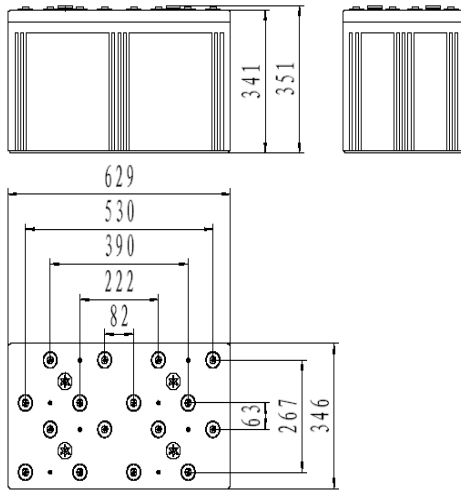
- Solar (Wind) energy system
- Solar communication/station
- Mobile storage system

Standards

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



Drawing



Specification

Battery Model	GFMU-3000C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(30A,1.85V)	100HR(35.1A, 1.85V)	20HR(153A,1.80V)	10HR(300A,1.80V)
	3600	3510	3060	3000
Dimensions (mm)	Length	Width	Height	Total Height
	629	346	341	351
Approx. Weight (kg)	174.0			
Internal Resistance (mΩ)	0.09			
Maximum Discharge Current (A/5 Sec.)	13000			
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:450A		2.25 (-3.5mV/°C/cell)	

Discharge Data

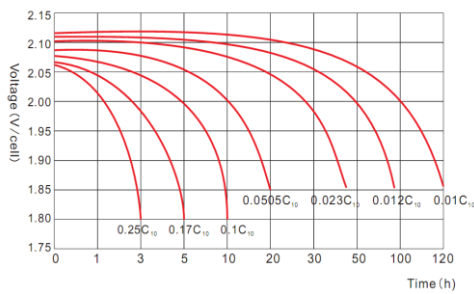
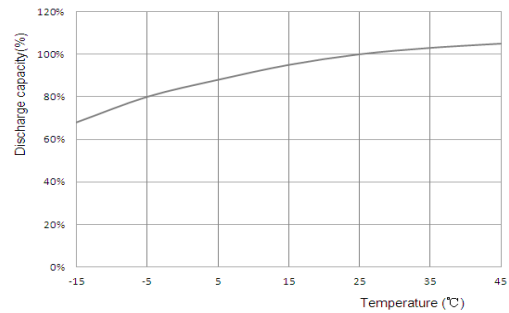
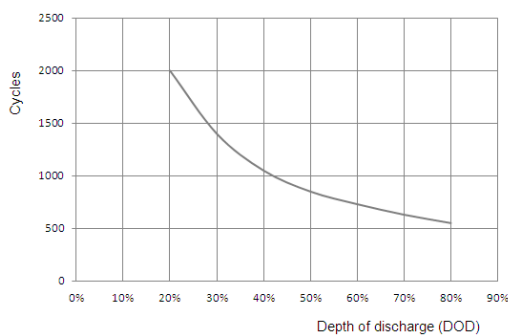
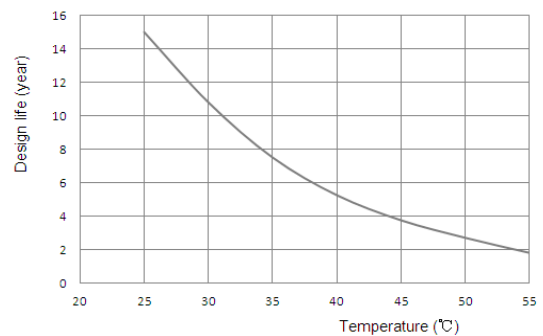
Constant current discharge data (25°C , A)

End voltage (V/cell)	h													
	1	2	3	5	6	8	10	12	20	24	48	100	120	240
1.75	1650	1035	760	515	451	363	302	254	155	133	71.0	35.5	30.8	15.7
1.80	1580	1000	750	510	446	360	300	250	153	131	70.0	35.3	30.4	15.6
1.85	1460	945	710	495	433	351	296	247	151	130	69.0	35.1	30.0	15.5
1.90	1360	880	670	475	418	341	291	243	149	128	68.0	35.0	29.6	15.4
1.95	1225	820	630	456	403	333	286	240	147	127	67.5	34.8	29.2	15.3

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	2735	1803	1364	941	831	686	571	488	308	265	139	68.8	59.3	31.1
1.80	2612	1754	1336	925	818	677	565	483	305	263	138	68.5	58.9	31.0
1.85	2504	1697	1302	905	805	668	553	477	303	261	138	68.2	58.7	30.8
1.90	2395	1647	1265	885	789	657	540	472	300	259	137	68.0	58.4	30.7
1.95	2263	1584	1230	862	773	641	531	464	298	258	137	67.7	58.1	30.6

Performance Curve :


Discharge performance

Temperature vs. capacity

DOD vs. cycles

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

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