

Advantages

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

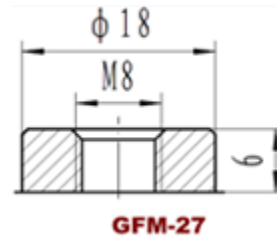
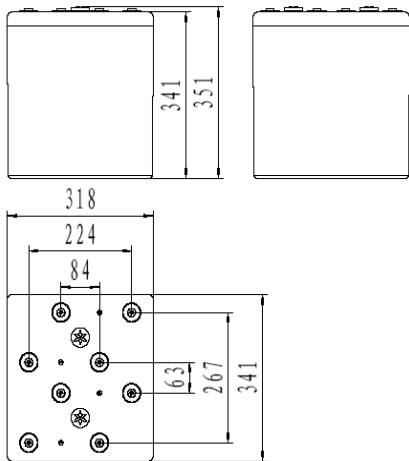
Application

- 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

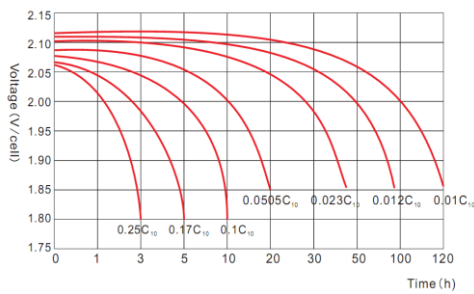
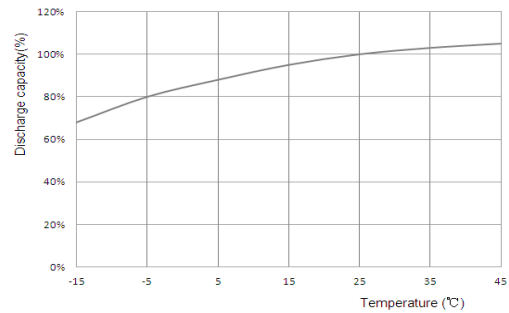
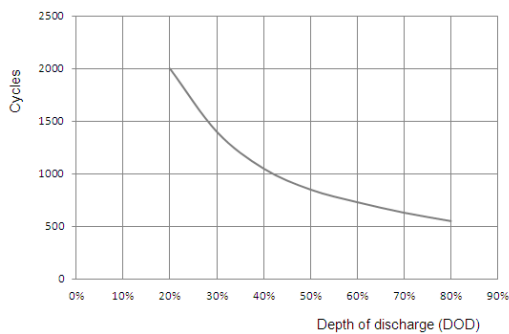
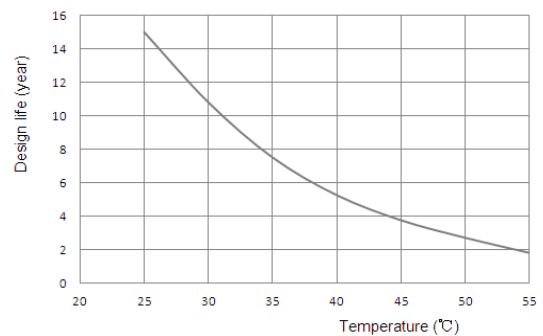
Battery Model	GFMU-1500C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(15A,1.85V)	100HR(17.57A, 1.85V)	20HR(76.5A,1.80V)	10HR(150A,1.80V)
	1800	1757	1530	1500
Dimensions (mm)	Length	Width	Height	Total Height
	318	341	341	351
Approx. Weight (kg)	86.5			
Internal Resistance (mΩ)	0.18			
Maximum Discharge Current (A/5 Sec.)	7500			
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:225A		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	825	518	380	258	225	182	151	127	77.5	66.3	35.5	17.76	15.4	7.85
1.80	790	500	375	255	223	180	150	125	76.5	65.5	35	17.66	15.2	7.8
1.85	730	473	355	247	216	175	148	123	75.5	64.8	34.5	17.57	15.0	7.75
1.90	680	440	335	238	209	171	145	122	74.5	64	34	17.47	14.8	7.7
1.95	613	410	315	228	202	166	143	120	73.5	63.5	33.8	17.47	14.6	7.65

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	1368	901	682	471	416	343	286	244	154	132	69.5	34.4	29.7	15.5
1.80	1306	877	668	463	409	338	283	241	153	132	69.1	34.3	29.5	15.5
1.85	1252	849	651	453	402	334	277	239	151	131	69.0	34.1	29.3	15.4
1.90	1197	824	633	442	395	329	270	236	150	130	68.5	34.0	29.2	15.4
1.95	1132	792	615	431	386	321	265	232	149	129	68.4	33.9	29.0	15.3

Performance Curve :

Discharge performance

Temperature vs. capacity

DOD vs. cycles

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

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