

### Advantages

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

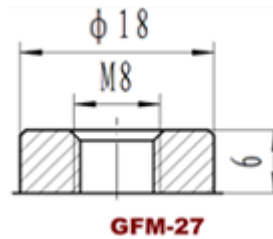
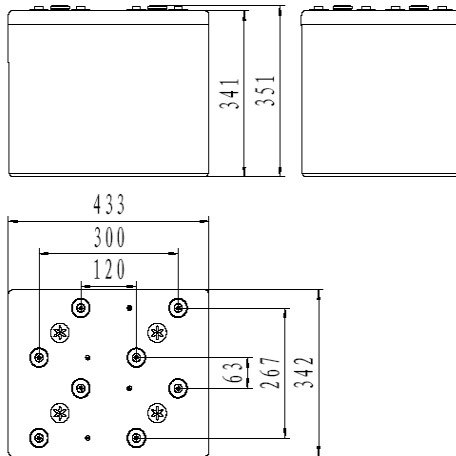
### Application

- 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-2000C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(20A,1.85V)	100HR(23.4A, 1.85V)	20HR(102A,1.80V)	10HR(200A,1.80V)
	2400	2340	2040	2000
Dimensions (mm)	Length	Width	Height	Total Height
	342	341	341	351
Approx. Weight (kg)	118.0			
Internal Resistance (mΩ)	0.10			
Maximum Discharge Current (A/5 Sec.)	9000			
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:300A		2.25 (-3.5mV/°C/cell)	

## Discharge Data

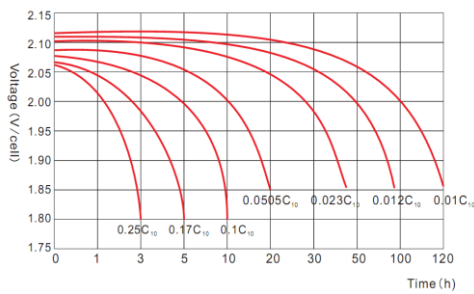
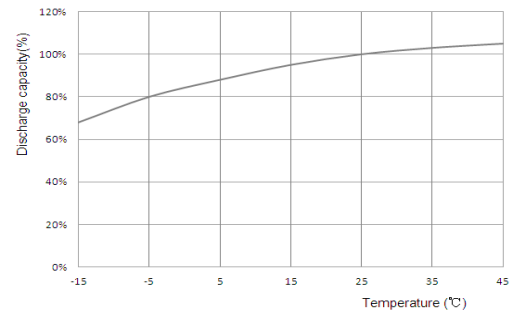
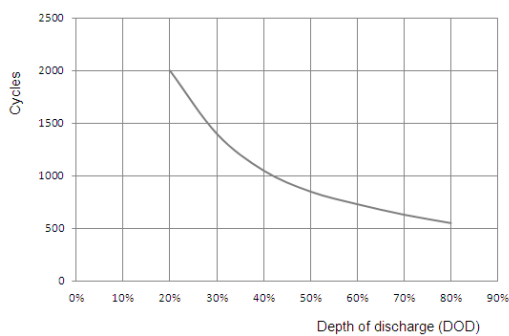
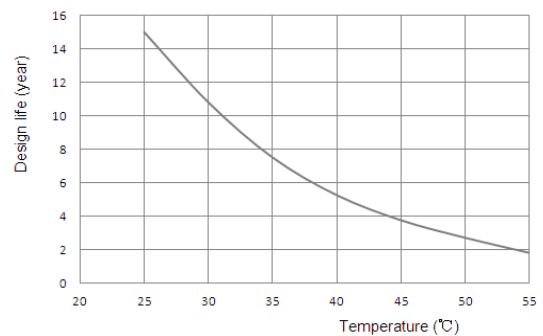
**Constant current discharge data (25°C , A)**

End voltage (V/cell)	h													
	1	2	3	5	6	8	10	12	20	24	48	100	120	240
1.75	1100	690	507	343	300	242	201	169	103	88.3	47.3	23.7	20.5	10.5
1.80	1053	667	500	340	297	240	200	167	102	87.3	46.7	23.5	20.3	10.4
1.85	973	630	473	330	288	234	197	164	101	86.4	46.0	23.4	20.0	10.3
1.90	907	587	447	317	278	227	194	162	99	85.3	45.3	23.3	19.7	10.3
1.95	817	547	420	304	269	222	191	160	98	84.6	45.0	23.2	19.5	10.2

**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	1823	1202	909	628	554	457	381	325	205	177	92.7	45.9	39.5	20.7
1.80	1741	1169	891	617	545	451	377	322	203	175	92.2	45.7	39.3	20.6
1.85	1669	1132	868	603	537	445	369	318	202	174	91.9	45.5	39.1	20.5
1.90	1597	1098	843	590	526	438	360	314	200	173	91.3	45.3	38.9	20.5
1.95	1509	1056	820	575	515	427	354	309	199	172	91.2	45.1	38.7	20.4

## Performance Curve :


**Discharge performance**

**Temperature vs. capacity**

**DOD vs. cycles**

**Design life vs. temperature**
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