

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

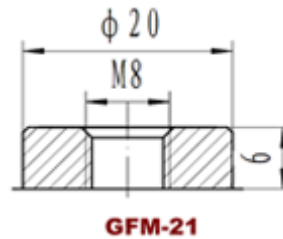
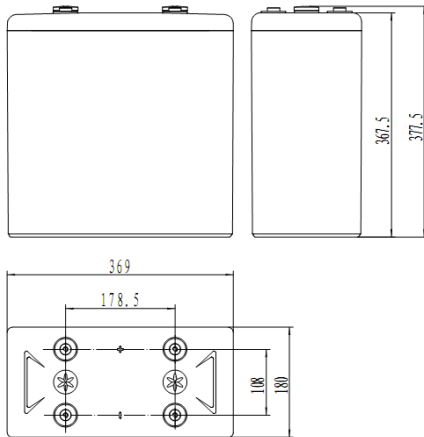
- Solar (Wind) energy system
- Solar communication/station
- Mobile storage system

Standards

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



Drawing



Specification

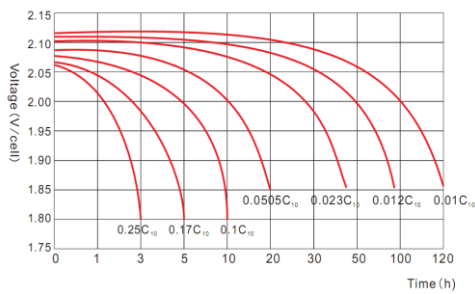
Battery Model	GFMU-1000C			
Designed Life (Years, 25°C)	15			
Capacity (Ah, 25°C)	120HR(10A,1.85V)	100HR(11.8A, 1.85V)	20HR(52.9A,1.80V)	10HR(100A,1.80V)
	1200	1180	1058	1000
Dimensions (mm)	Length	Width	Height	Total Height
	369	180	367.5	377.5
Approx. Weight (kg)	58.5			
Internal Resistance (mΩ)	0.38			
Maximum Discharge Current (A/5 Sec.)	3500			
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:150A		2.25 (-3.5mV/°C/cell)	

Discharge Data

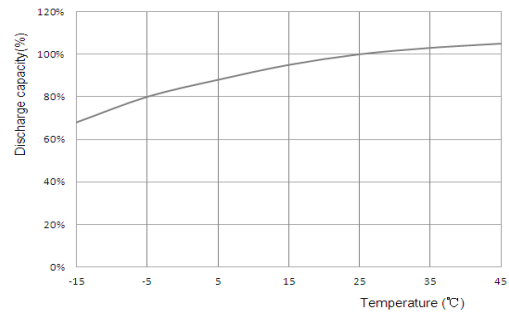
Constant current discharge data (25°C , A)														
End voltage (V/cell)	h													
	1	2	3	5	6	8	10	12	20	24	48	100	120	240
1.75	550	340	260	176	152	124	103	86.0	54.2	45.4	23.5	11.9	10.1	5.18
1.80	500	320	250	170	148	120	100	84.0	52.9	44.2	23.4	11.8	10.0	5.16
1.85	467	300	237	166	144	116	97.0	81.3	51.4	43.2	23.3	11.8	10.0	5.14
1.90	442	284	225	158	138	112	95.1	79.3	50.1	42.3	23.0	11.7	9.92	5.12
1.95	414	270	213	151	132	108	91.7	77.5	48.6	41.2	22.9	11.6	9.86	5.10

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	1040	650	500	341	295	242	201	168	105	89.4	46.6	23.6	20.0	10.3
1.80	958	618	486	332	289	235	197	165	104	87.5	46.5	23.6	20.0	10.3
1.85	901	584	463	325	282	229	192	161	100	85.6	46.3	23.5	20.0	10.3
1.90	859	555	441	312	272	222	188	157	98.4	84.0	45.9	23.4	19.8	10.3
1.95	810	531	420	298	261	214	182	154	96.0	82.1	45.6	23.3	19.7	10.2

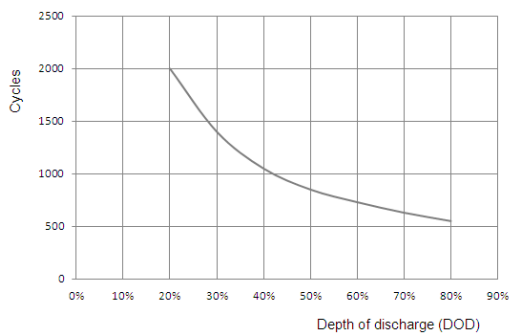
Performance Curve :



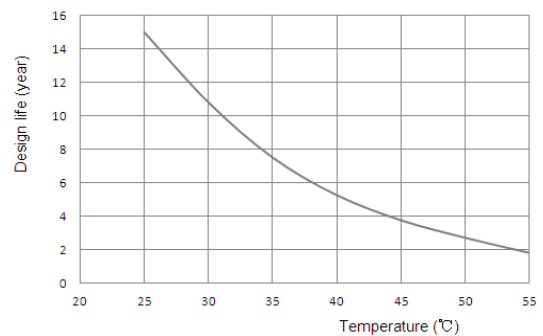
Discharge performance



Temperature vs. capacity



DOD vs. cycles



Design life vs. temperature

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