

GFMZ series/ 6-GFMZ-170 12V170Ah

GEL BATTERY

Applications

- ⌘ Solar System (Off-grid)
- ⌘ UPS and computer standby power supply
- ⌘ Firefighting equipment standby power supply
- ⌘ Medical treatment equipment, Alarm system
- ⌘ Telecommunication system,, Railway station,
- ⌘ Ship Equipment, Military Equipment
- ⌘ Control systems, Emergency lamp,



Battery Model	6GFMZ-170/12V170Ah			
Capacity (25°C)	10Hr (17A,1.80V)	5Hr(29A,1.80V)	3Hr (43.3A,1.80V)	1Hr(102A,1.80V)
	170Ah	145Ah	130Ah	102Ah
Dimensions	Length	Width	Height	Total Height
	558mm	125mm	316mm	318mm
Approx Weight	51.50KG			
Internal Resistance	6.2mΩ			
Max Discharge Current	1492A(3 Sec.)			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	13.98V(-21mV/°C),max charge current:30A		13.38V(-21mV/°C)	

General Features

- ⌘ Wide operating temperature range from -25°C to 45°C
- ⌘ Sealed and maintenance free operation
- ⌘ Low self-discharge rate and long shelf life (9 months at 25°C)
- ⌘ ABS containers and covers
- ⌘ No memory effect, thick flat plate with high Tin low Calcium alloy
- ⌘ Absorptive Glass Mat Technology (AGM System)
- ⌘ Safety valve installation for explosion proof
- ⌘ Long Service Life, Float or Cyclic



UPS SYSTEM



SOLAR SYSTEM



EMERGENCY LIGHTING



SECURITY SYSTEM

Discharge Parameter

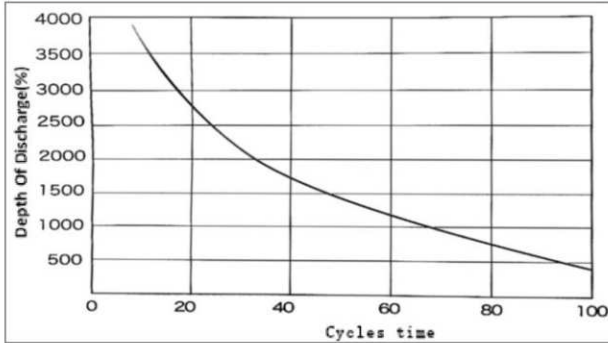
Constant Current Discharge Data (25°C, A)

End Voltage (V/cell)	5min	10min	15min	20min	30min	45 min	1h	1.5h	2h	3h	5h	10h	20h
1.60	418.0	305.4	237.9	199.5	145.8	114.3	86.7	67.4	51.6	39.3	26.25	15	8.1
1.65	397.5	294.6	233.3	196.4	144.3	112.1	85.1	66.5	51.6	39.3	26.25	15	8.1
1.70	374.4	279.3	228.6	191.9	142.7	106.6	85.1	65.4	61.6	39.3	26.25	15	8.1
1.75	346.8	258.4	221.0	184.2	138.2	105.6	83.6	64.5	51.6	39.3	26.25	15	8.1
1.80	296.1	236.3	207.2	171.9	132.5	101.7	82.5	62.7	50.1	39.3	25.5	15	7.8

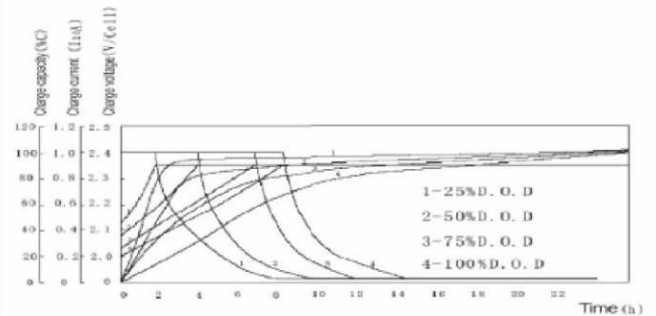
Constant Power Discharge Data (25°C, W/cell)

End Voltage	5min	10min	15min	20min	30min	45 min	1h	1.5h	2h	3h	5h	10h	20h
1.60	739.5	554.0	434.9	365.0	273.5	205.7	160.2	124.5	97.5	70.7	48.3	28.5	15.3
1.65	687.9	533.6	425.3	360.6	271.1	203.9	157.4	123.6	97.5	70.65	48.3	28.2	15.3
1.70	629.0	504.2	411.0	353.3	267.3	201.0	157.4	122.4	97.5	70.65	48.3	28.2	15.3
1.75	579.8	467.3	398.3	339.9	260.4	196.4	154.5	121.2	97.5	70.65	48.3	28.2	15.3
1.80	539.4	426.0	380.3	318.5	248.1	189.3	152.4	118.4	95.1	68.85	45.75	27.15	14.88

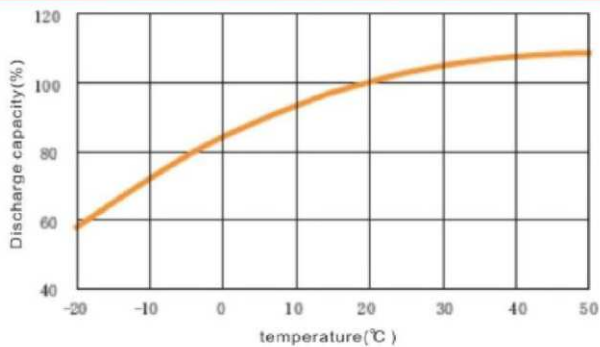
Performance Curve



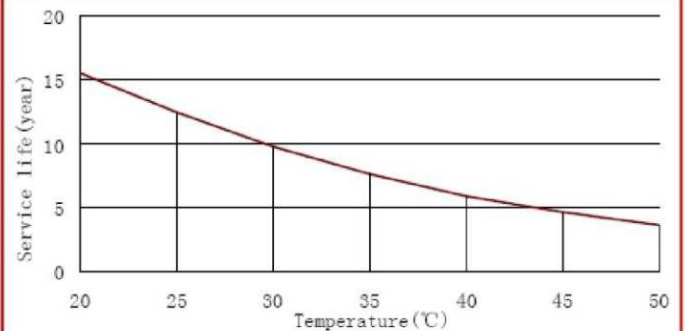
Cycle life Vs discharge depth



Charge Vs discharge depth



Discharge capacity Vs temperature



Temperature Vs floating life