

**Allgrand GFMZ series / 6-GFMZ-150 12V150Ah 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-150/12V150Ah			
Capacity (25°C)	10Hr (15A,1.80V)	5Hr(25.5A,1.80V)	3Hr (37.5A,1.80V)	1Hr(82.5A,1.80V)
	150Ah	127.5Ah	112.5Ah	82.5Ah
Dimensions	Length	Width	Height	Total Height
	551mm	110mm	311mm	315mm
Approx Weight	48.30KG			
Internal Resistance	5.6mΩ			
Max Discharge Current	1472A(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

