

Gel Battery 12V-150AH



GENERAL FEATURES

- Designed with AGM (Absorbent Glass Mat) technology, equipping high performance plates and electrolyte, the 6GFM150 is a general-purpose VRLA battery with a lifespan of 10 years for float charging at 25°C
- Using oxygen recombination technology, maintenance-free.
- ABS material: enhanced strength of the battery container. (Flame-retardant ABS is optional).

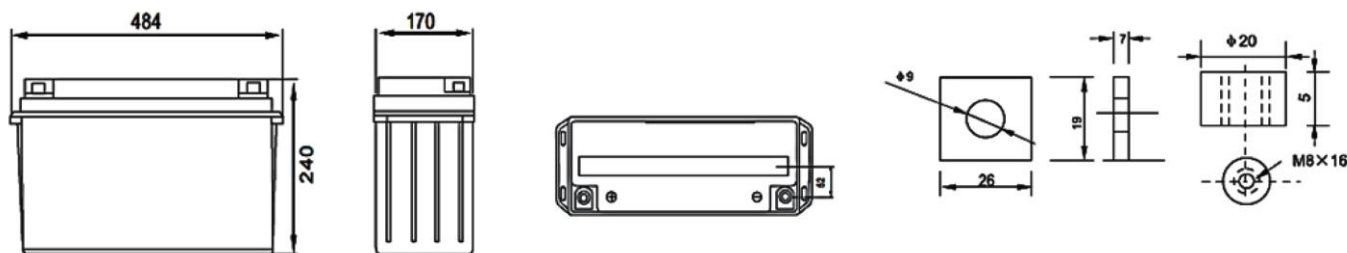
APPLICATIONS

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| <ul style="list-style-type: none"> ● All purpose ● Uninterruptable Power Supply (UPS) ● Electric Power System (EPS) ● Emergency backup system ● Emergency light ● Railway Signal | <ul style="list-style-type: none"> ● Aircraft signal ● Alarm and security system ● Electronic apparatus and equipment ● Communication power supply ● DC power supply ● Auto control system |
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SPECIFICATIONS

Model	Nominal Voltage	12V		
	Rated Capacity (10Hr rate)	150Ah		
Dimensions	Length	Width	Height	Total Height
	484mm (19.063")	1703mm (6.69")	240mm (9.45")	240mm (9.45")
Weight	Approx. 44.3KG (97.66lbs) $\pm$ 3%			
Capacity @25°C (77°F)	10 hour (15A,10.8V)	5 hour (24A,10.5V)	3 Hour (37.5A,10.2V)	1 Hour (90A,9.6V)
	150Ah	120Ah	112.5 Ah	90Ah
Internal Resistance	Fully charged at 25°C, approx. 3.5m Ω			
Max. Discharge Current	1500A (5 Sec.)			
Capacity Affected by Temp.(10Hr)	40°C(104°F)	25°C(77°F)	0°C(32°F)	-15°C(5°F)
	102%	100%	85%	65%
Self Discharge Rate	After 3 months Storage	After 6 months Storage	After 12 months Storage	
	91%	82%	64%	
Charge Method	Cycle Use		Float Charging	
	14.4-14.4V (Initial current less than 60A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	

DIMENSIONS & TERMINALS

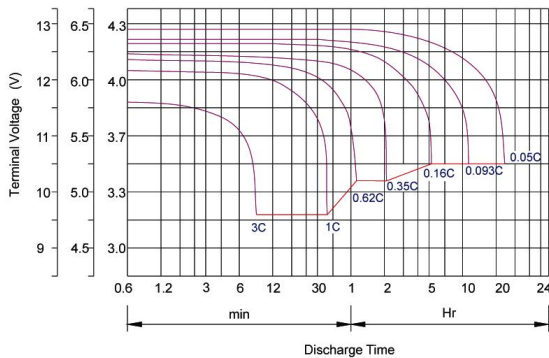


PERFORMANCE CHARACTERISTICS

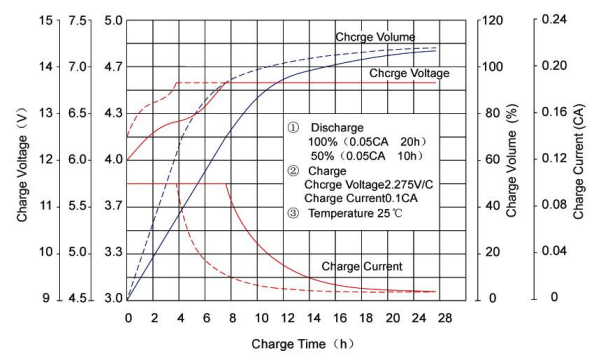
Constant Current (Amp.) and Constant Power (Watt) Discharge Table @25°C (77°F)

Cell Voltage	Time	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
		A	W	A	W	A	W	A	W	A	W	A	W
9.60V	A	480.50	316.50	255.20	171.00	90.00	52.50	38.60	30.00	24.80	17.60	15.80	8.50
	W	4958.20	3380.20	2735.70	1838.60	972.00	576.50	429.10	337.50	281.40	201.10	181.90	98.90
10.20V	A	465.30	285.60	240.30	163.50	84.60	50.10	37.50	29.30	24.30	17.10	15.50	8.30
	W	4969.40	3189.00	2689.00	1835.50	956.80	577.50	434.30	340.10	283.30	200.10	181.50	96.80
10.50V	A	450.20	255.50	210.20	153.00	81.90	48.90	36.60	28.80	24.00	17.00	15.20	8.30
	W	4915.60	2906.00	2398.20	1760.70	948.40	567.10	426.50	337.00	281.40	199.30	179.30	97.50
10.80V	A	433.80	240.80	195.30	141.00	79.20	47.70	35.70	28.40	23.40	16.50	15.00	8.10
	W	4867.20	2776.30	2249.90	1633.60	921.90	558.70	420.90	334.80	276.60	195.50	178.30	96.50
11.10V	A	419.30	225.60	180.30	126.00	76.50	46.50	34.50	27.60	22.80	16.10	14.30	7.70
	W	4754.30	2612.40	2098.70	1474.20	899.60	549.60	409.90	328.70	272.10	192.20	172.00	92.70

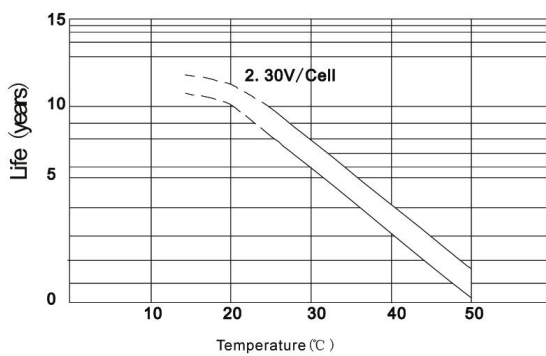
DISCHARGE CHARACTERISTICS



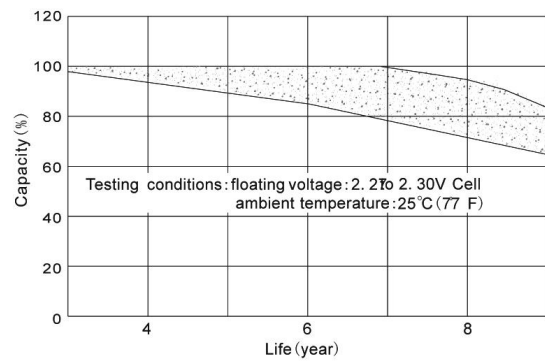
CHARGING CHARACTERISTICS (STANDBY) @25 °C



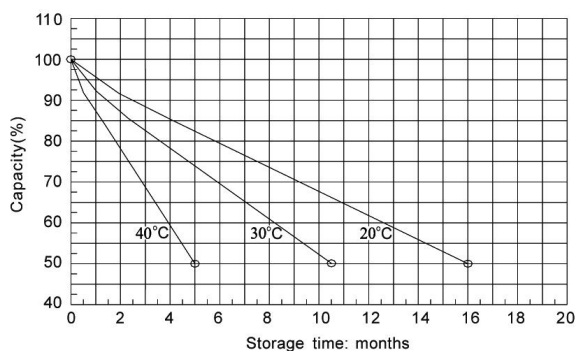
TEMP. EFFECTS ON FLOAT LIFE



LIFE CHARACTERISTICS OF STANDBY USE



SELF DISCHARGE CHARACTERISTICS



CYCLE LIFE IN RELATION TO THE DEPTH OF DISCHARGE

