

GENERAL FEATURES

- Designed with AGM (Absorbent Glass Mat) technology, equipping high performance plates and electrolyte, the 6GFM250 is a general-purpose VRL 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 is optional).



APPLICATIONS

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup system
- Emergency light
- Railway Signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system



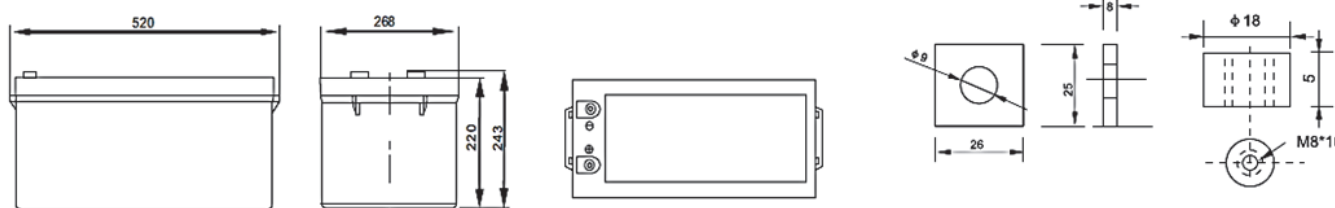
SPECIFICATIONS

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Model	Nominal Voltage	12V		
	Rated Capacity (10Hr rate)	250Ah		
Dimensions	Length	Width	Height	Total Height
	520mm (20.47")	268mm (10.55")	220mm (8.66")	243mm (9.57")
Weight	Approx. 71.0kg(156.52lbs) ± 3%			
Capacity @25°C (77°F)	10 hour (25A,10.8V)	5 Hour (40.0A,10.5V)	3 Hour (62.5A,10.2V)	1 Hour (150A,9.6V)
	250Ah	200Ah	187.5Ah	150Ah
Internal Resistance	Fully charged at 25°C, approx. 2.0mΩ			
Max. Discharge Current	2000A (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	
	14.1-14.4V (Initial current less than 100A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	

DIMENSIONS & TERMINALS

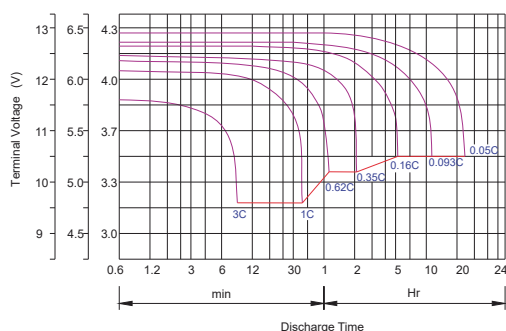


PERFORMANCE CHARACTERISTICS

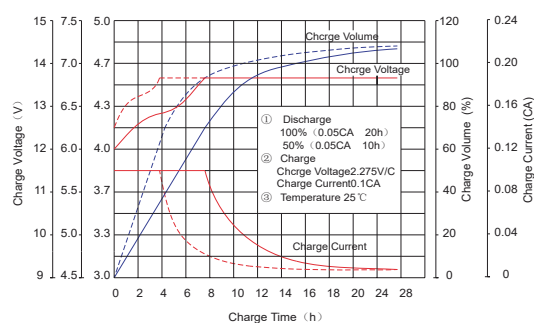
Constant Current (Amp.) and Constant Power (Watt) Discharge Table @25°C (77°F)

Cell Voltage Time		5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
9.60V	A	800.80	527.50	425.30	285.00	150.00	87.50	64.30	50.00	41.30	29.30	26.30	14.20
	W	8263.70	5633.70	4559.50	3064.30	1620.00	960.80	715.10	562.50	469.00	335.20	303.20	164.80
10.20V	A	775.50	476.00	400.50	272.50	141.00	83.50	62.50	48.80	40.50	28.50	25.80	13.80
	W	8282.30	5315.00	4481.60	3059.10	1594.70	962.40	723.80	566.90	472.10	333.50	302.50	161.30
10.50V	A	750.30	425.80	350.30	255.00	136.50	81.50	61.00	48.00	40.00	28.30	25.30	13.80
	W	8192.70	4843.30	3997.10	2934.50	1580.70	945.20	710.80	561.60	469.00	332.20	298.80	162.50
10.80V	A	723.00	401.30	325.50	235.00	132.00	79.50	59.50	47.30	39.00	27.50	25.00	13.50
	W	8112.10	4627.20	3749.80	2722.70	1536.50	931.10	701.50	557.90	461.00	325.90	297.20	160.80
11.10V	A	698.80	376.00	300.50	210.00	127.50	77.50	57.50	46.00	38.00	26.80	23.80	12.80
	W	7923.80	4354.10	3497.80	2457.00	1499.40	916.10	683.10	547.90	453.50	320.40	286.70	154.50

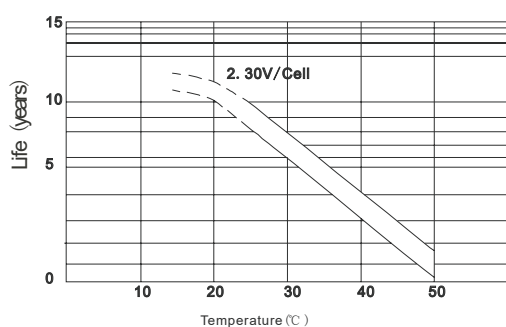
DISCHARGE CHARACTERISTICS



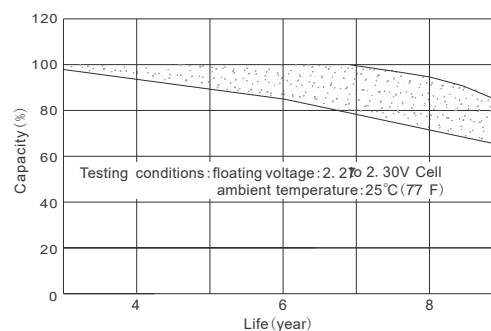
CHARGING CHARACTERISTICS (STANDBY) @25°C



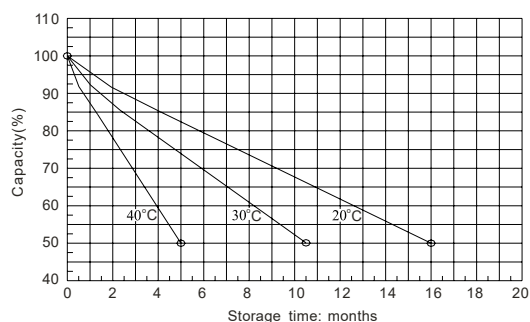
TEMP. EFFECTS ON FLOAT LIFE



LIFE CHARACTERISTICS OF STANDBY USE



SELF DISCHARGE CHARACTERISTICS



CYCLE LIFE IN RELATION TO THE DEPTH OF DISCHARGE

