

GENERAL FEATURES

- Designed with AGM (Absorbent Glass Mat) technology, equipping high performance plates and electrolyte, the 6FM12 is a general-purpose VRLA battery with a lifespan of 5 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).



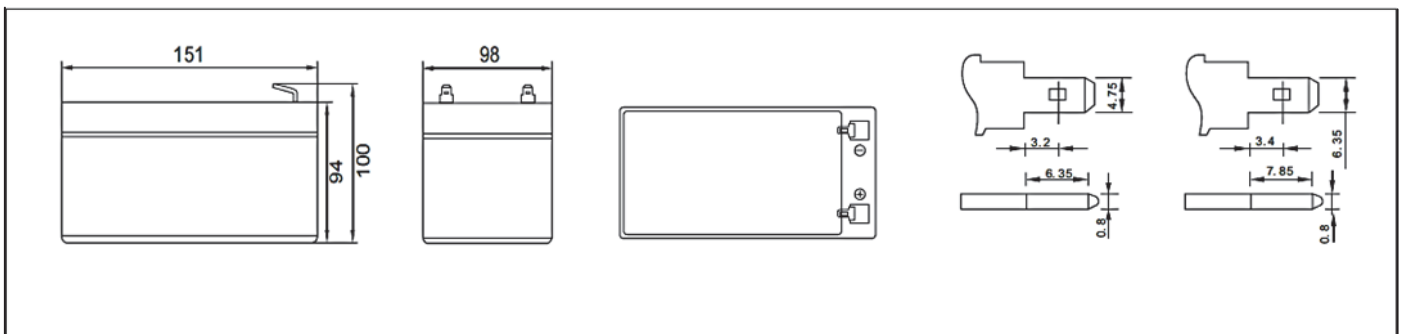
APPLICATIONS

- 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

Model	Nominal Voltage	12V		
	Rated Capacity (20Hr rate)	12Ah		
Dimensions	Length	Width	Height	Total Height
	151mm (5.94")	98mm (3.86")	94mm (3.7")	100mm (3.94")
Weight	Approx. 3.5KG (7.716 lbs) ± 3%			
Capacity @25°C (77°F)	20 hour (0.6A,10.8V)	10 hour (1.1A,10.5V)	5 Hour (2.04A,10.2V)	1 Hour (7.2A,9.6V)
	12.0Ah	11.0 Ah	10.2 Ah	7.2Ah
Internal Resistance	Fully charged at 25°C, approx. 22mΩ			
Max. Discharge Current	120A (5 Sec.)			
Capacity Affected by Temp. (20Hr)	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	
	14.4-15.0V (Initial current less than 4.8A) @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	43.20	28.30	21.00	13.80	7.20	4.20	3.09	2.48	2.11	1.39	1.13	0.62
	W	509.50	320.00	242.00	146.50	83.00	48.60	35.75	28.70	24.35	16.05	13.15	7.20
10.20V	A	39.60	27.00	19.30	13.10	6.76	4.03	3.00	2.40	2.06	1.37	1.12	0.61
	W	479.50	303.00	227.50	145.50	78.00	46.70	34.75	27.80	23.90	15.80	12.90	7.00
10.50V	A	36.10	25.30	18.00	12.70	6.54	3.95	2.95	2.28	2.04	1.35	1.10	0.60
	W	463.00	294.00	217.50	144.00	75.70	45.80	34.15	26.40	23.75	15.65	12.80	6.95
10.80V	A	34.60	24.20	16.80	12.40	6.32	3.85	2.90	2.24	1.95	1.31	1.07	0.59
	W	406.00	285.00	209.50	143.50	73.50	44.80	33.75	26.08	22.70	15.00	12.50	6.80
11.10V	A	32.00	22.80	15.60	12.00	6.10	3.75	2.75	2.20	1.87	1.28	1.05	0.57
	W	392.50	275.50	199.50	142.50	72.50	44.50	32.75	26.00	22.20	14.50	12.25	6.75

