

**GENERAL FEATURES**

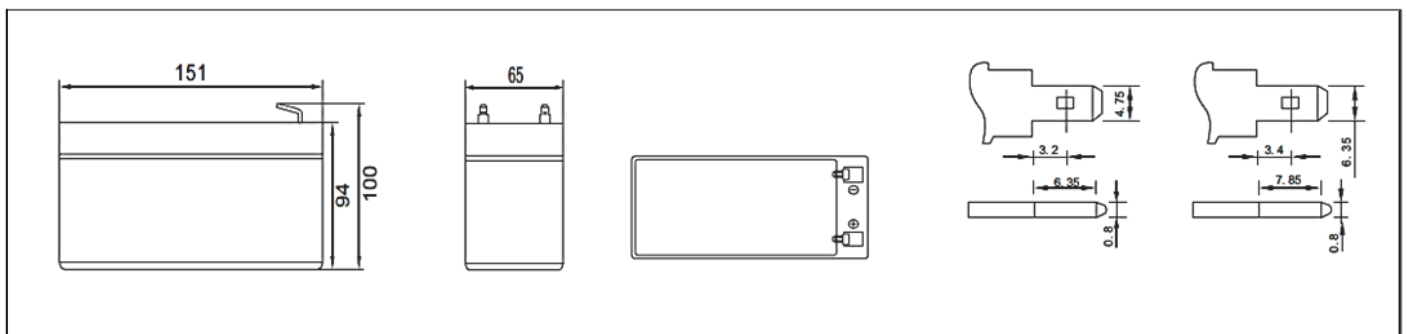
- Designed with AGM (Absorbent Glass Mat) technology, equipping high performance plates and electrolyte, the 6FM7 is a general-purpose VRLA battery with a lifespan of 5 years for float charging at 25°C
- Using oxygen recombination technology, maintenance-free.
- ABS material: enhanced strength of the 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**

<b>Model</b>	Nominal Voltage	12V		
	Rated Capacity (20Hr rate)	7Ah		
<b>Dimensions</b>	Length	Width	Height	Total Height
	151mm (5.94")	65mm (2.56")	94mm (3.7")	100mm (3.94")
<b>Weight</b>	Approx. 2.0KG ± 3%			
<b>Capacity @25°C (77°F)</b>	20 hour (0.35A,10.8V)	10 hour (0.64A,10.5V)	5 Hour ( 1.2A,10.2V)	1 Hour (4.2A,9.6V)
	7.0Ah	6.4 Ah	6.0 Ah	4.2Ah
<b>Internal Resistance</b>	Fully charged at 25°C, approx. 31mΩ			
<b>Max. Discharge Current</b>	70A (5 Sec. )			
<b>Capacity Affected by Temp. (20Hr)</b>	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
<b>Self Discharge Rate</b>	After 3 months Storage	After 6 months Storage	After 12 months Storage	
	91%	82%	64%	
<b>Charge Method</b>	Cycle Use		Float Charging	
	14.4-15.0V (Initial current less than 2.10A) @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	25.20	16.50	12.30	8.05	4.20	2.45	1.80	1.45	1.23	0.81
	W	297.20	186.70	141.20	85.50	48.40	28.40	20.85	16.74	14.20	9.36	7.67	4.20
10.20V	A	23.10	15.80	11.3	7.64	3.94	2.35	1.75	1.40	1.20	0.80	0.65	0.35
	W	279.70	176.80	132.70	84.90	45.50	27.20	20.27	16.22	13.94	9.22	7.53	4.08
10.50V	A	21.00	14.80	10.50	7.41	3.82	2.30	1.72	1.33	1.20	0.79	0.64	0.35
	W	270.10	171.50	126.90	84.00	44.20	26.70	19.92	15.40	13.85	9.13	7.47	4.05
10.80V	A	20.20	14.10	9.80	7.20	3.69	2.25	1.69	1.31	1.14	0.77	0.63	0.35
	W	236.80	166.30	122.20	83.70	42.90	26.10	19.69	15.21	13.24	8.75	7.29	3.97
11.10V	A	18.70	13.30	9.10	7.00	3.56	2.19	1.60	1.28	1.09	0.75	0.61	0.33
	W	229.00	160.70	116.40	83.10	42.30	26.00	19.10	15.17	12.95	8.46	7.15	3.94

