

GENERAL FEATURES

- Designed with AGM (Absorbent Glass Mat) technology, equipping high performance plates and electrolyte, the 6GFM80 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

- 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

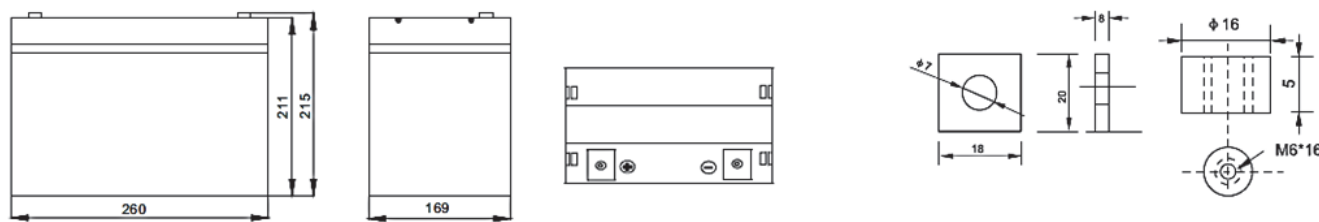


SPECIFICATIONS

Model	Nominal Voltage	12V		
	Rated Capacity (10Hr rate)	80Ah		
Dimensions	Length	Width	Height	Total Height
	260mm (10.24")	169mm (6.55")	211mm (8.13")	215mm (8.46")
Weight	Approx. 24.0kg(52.91lbs) ± 3%			
Capacity @25°C (77°F)	10 Hour (8.0A,10.8V)	5 Hour (14.0A,10.5V)	3 Hour (21.3A,10.2V)	1 Hour (48.9A,9.6V)
	80Ah	70Ah	61.8Ah	48.9Ah
Internal Resistance	Fully charged at 25°C, approx. 7.0mΩ			
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	
	14.1-14.4V (Initial current less than 29.4A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	



DIMENSIONS & TERMINALS

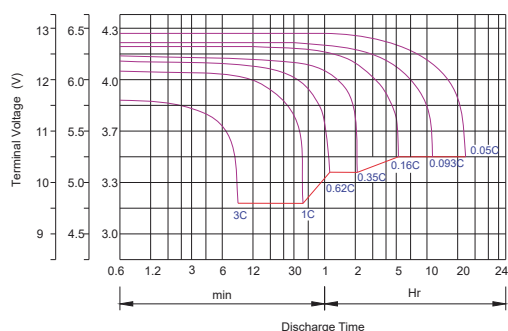


PERFORMANCE CHARACTERISTICS

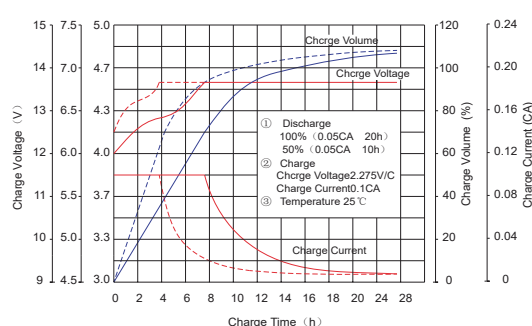
Constant Current (Amp.) and Constant Power (Watt) Discharge Table @25°C (77°F)

Cell Voltage Time		5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
9.60V	A	235.70	155.30	139.60	84.00	48.90	29.10	22.60	17.70	15.10	10.10	8.44	4.41
	W	2432.80	1658.60	1342.30	902.10	476.90	282.80	211.70	165.60	138.10	98.70	89.30	48.50
10.20V	A	228.30	140.10	125.00	77.20	45.70	27.30	21.30	16.80	14.30	9.87	8.21	4.29
	W	2424.60	1564.70	1319.40	900.60	469.50	281.60	210.90	165.20	137.60	98.20	88.70	47.60
10.50V	A	220.90	125.30	116.30	73.80	44.00	26.30	20.60	16.40	14.00	9.74	8.10	4.24
	W	2411.90	1425.90	1176.70	863.90	465.30	278.30	207.10	164.60	137.10	97.80	88.00	47.40
10.80V	A	212.90	118.10	107.40	70.50	42.30	25.40	20.00	15.90	13.60	9.57	8.00	4.20
	W	2388.20	1362.30	1103.9	801.60	452.30	274.10	206.50	164.30	135.70	95.90	87.50	47.40
11.10V	A	205.70	110.70	89.10	60.70	38.00	23.20	18.50	14.80	12.70	8.99	7.53	3.99
	W	2332.80	1281.80	1029.80	723.30	441.40	269.70	201.10	161.30	133.50	94.30	84.40	45.50

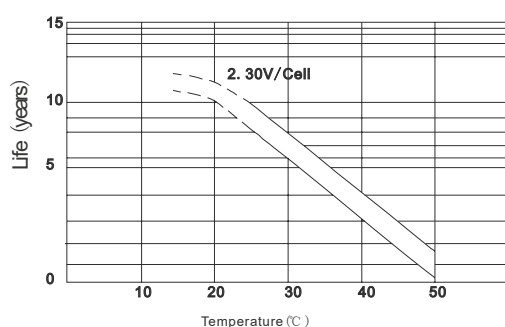
DISCHARGE CHARACTERISTICS



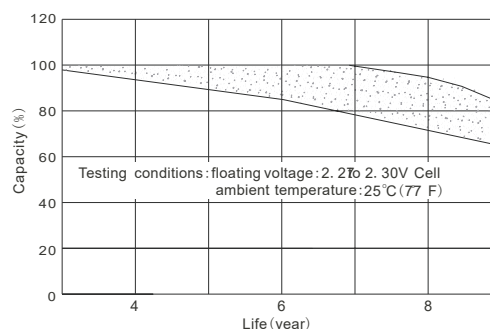
CHARGING CHARACTERISTICS (STANDBY) @25°C



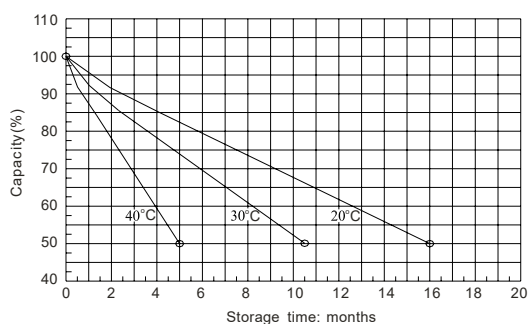
TEMP. EFFECTS ON FLOAT LIFE



LIFE CHARACTERISTICS OF STANDBY USE



SELF DISCHARGE CHARACTERISTICS



CYCLE LIFE IN RELATION TO THE DEPTH OF DISCHARGE

