



RG126-24SHR

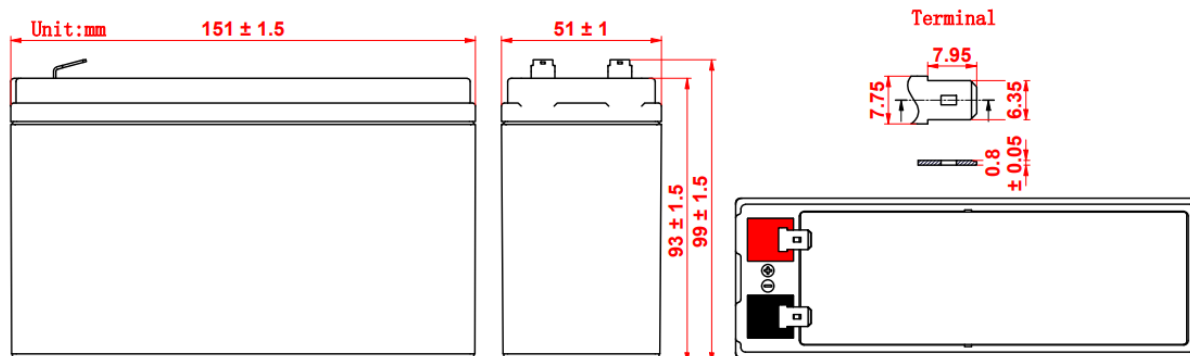
High Rate series uses high strength AGM separators. The high purity material makes the battery have superior energy density/power output

Table of contents

Nominal Voltage	12
Nominal Capacity	24W @ 15min-rate to 1.67V per cell @25°C (77°F)
Approx Weight	1.85kg ±5%
Max. Discharge Current	90.00A(5s)
Internal Resistance(25°C)	Approx 24.0 mΩ (Fully charged)
Operating Temp. Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temp. Range	25°C ±3°C (77°F±5°F)
Max.Charging Current(25°C)	1.80A
Float voltage	13.5~13.8V@25°C(77°F)
Equalizing voltage	14.4~15.0V@25°C(77°F)
Terminal	T2
Container Material	ABS(UL94-V0)(UL 94-HB)



► Dimensions :	Length (L)	Width (W)	Container height (h)	Overall Height (H)
Unit: mm	151±1.5	51±1.0	93±1.5	99±1.5



Constant Current Discharge Characteristics Unit: A (25°C,77°F)

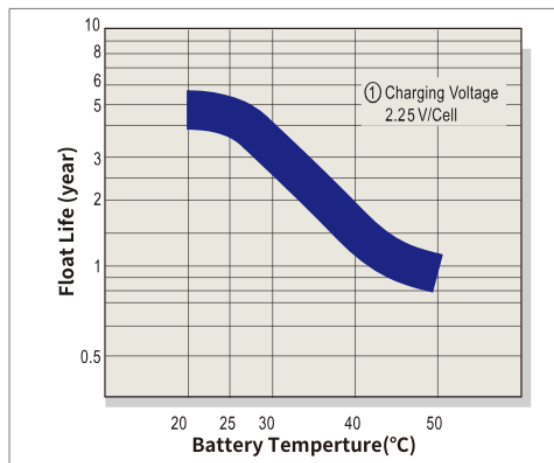
F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V/cell	24.7	18.9	17.1	12.8	10.2	7.01	3.99	3.03
1.67V/cell	23.9	18.3	16.3	12.4	9.90	6.93	3.97	2.95
1.70V/cell	23.4	17.8	15.8	12.0	9.63	6.85	3.84	2.87
1.75V/cell	22.5	16.9	15.2	11.6	9.19	6.65	3.75	2.82
1.80V/cell	21.5	16.1	14.4	11.1	8.81	6.37	3.66	2.77

Constant Power Discharge Characteristics Unit: W (25°C,77°F)

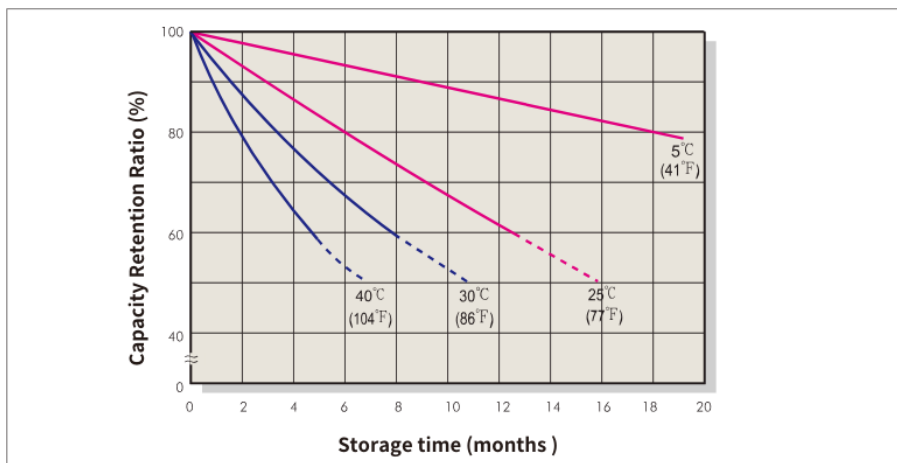
F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V/cell	45.2	35.3	32.3	24.7	19.9	13.7	7.91	6.03
1.67V/cell	43.9	34.4	31.0	24.0	19.4	13.6	7.89	5.86
1.70V/cell	43.3	33.5	30.2	23.3	18.9	13.5	7.65	5.72
1.75V/cell	42.0	32.2	29.2	22.6	18.1	13.1	7.48	5.62
1.80V/cell	40.5	30.9	27.9	21.8	17.3	12.5	7.30	5.53

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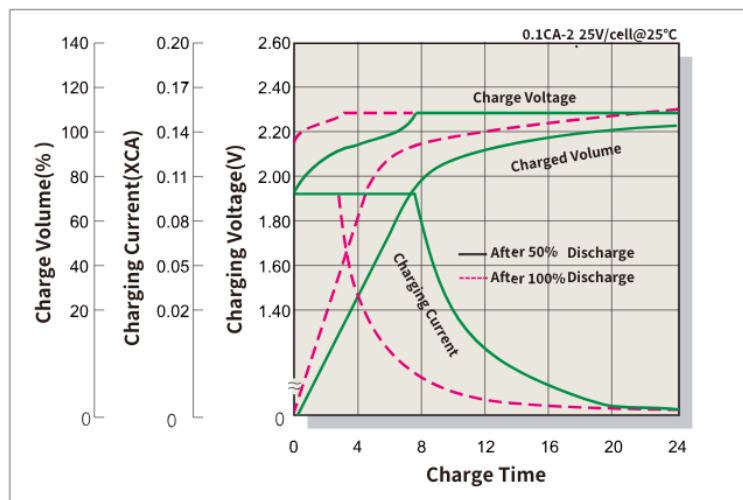
Temperature Effects on Long Term Float Life



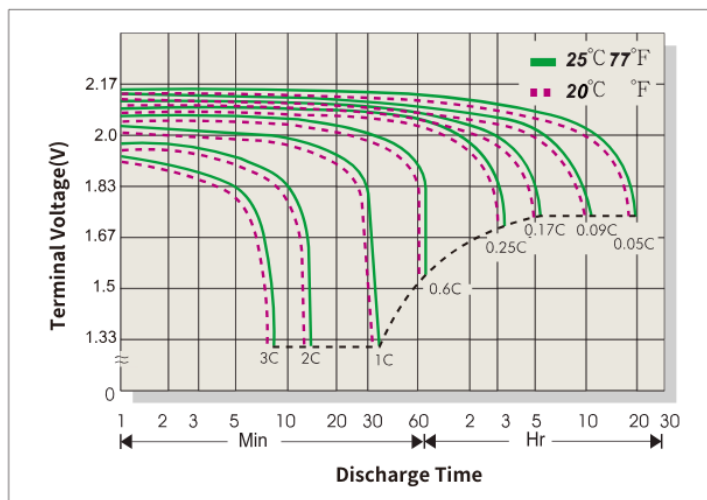
The effect of temperature on capacity



Float Charging Characteristic



Discharge characteristics



The effect of temperature on capacity(20HR)

Temperature	Capacity(20HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge characteristics

Storage time	The remaining capacity
3 Months	91%
6 Months	82%
12 Months	64%

Applications

- Telecommunications
- UPS, Data Rooms
- Energy Storage, Electric Systems
- New Energy Systems
- Emergency Lighting, Security

*Values are subject to variation of +/- 5% in normal manufacturing processes.

*Technical specifications and the product line above could be changed without prior notice.