

Powered by



RG1234T1 12V 3.4Ah

The battery is rechargeable, highly efficient, leak proof and maintenance free.

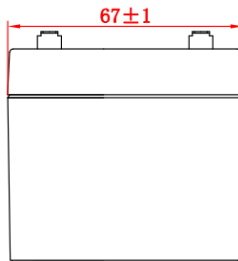
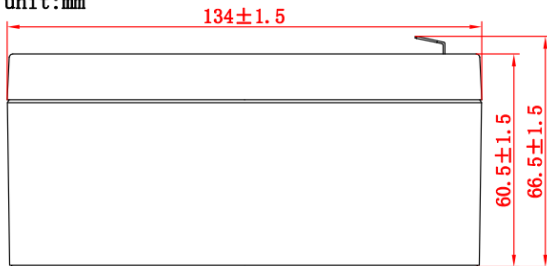
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	3.4Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight	Approx. 1.25kg (Tolerance ± 5.0%)
Maximum Discharge Current	51A (5sec)
Internal Resistance	Approx. 45mΩ
Operating Temperature 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 Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	1.02A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
Self Discharge	Raion batteries can be stored for over 6 months at 25° C(77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	F1-Faston Tab187
Container Material	ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.



Dimensions :	Length (L)	Width (W)	Container Height (H)	Overall Height (H)
Unit: mm	134±1.5	67±1.0	60.5±1.5	66.5±1.5

unit:mm



Faston Tab 187 (F1)



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

F.V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	11.9	6.0	3.61	2.00	0.859	0.577	0.323	0.173
1.67V	11.3	5.8	3.58	1.98	0.855	0.574	0.322	0.173
1.70V	10.6	5.7	3.54	1.94	0.850	0.566	0.321	0.172
1.75V	9.9	5.4	3.46	1.90	0.839	0.556	0.318	0.170
1.80V	8.7	5.0	3.32	1.81	0.812	0.537	0.308	0.166
1.85V	7.0	4.3	3.07	1.66	0.751	0.500	0.292	0.159

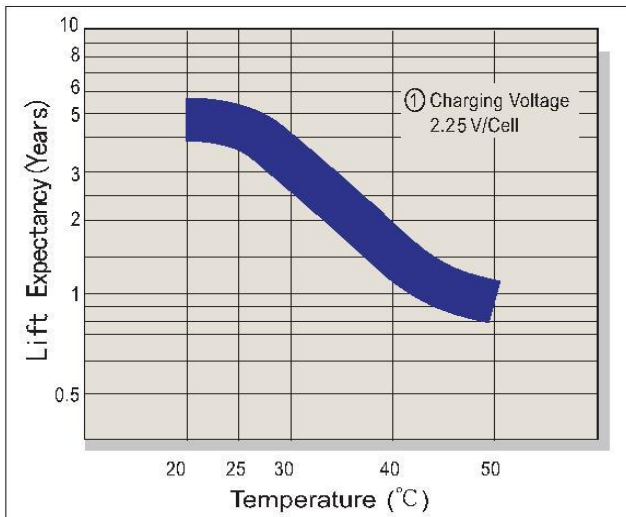
Constant Power Discharge Characteristics Unit: W(25°C,77°F)

F.V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	18.96	12.07	6.97	3.79	1.693	1.127	0.636	0.344
1.67V	18.08	11.44	6.93	3.76	1.684	1.122	0.634	0.343
1.70V	16.88	10.70	6.86	3.72	1.673	1.114	0.630	0.341
1.75V	15.27	9.79	6.73	3.64	1.652	1.094	0.623	0.338
1.80V	13.08	8.66	6.46	3.53	1.598	1.056	0.605	0.330
1.85V	10.19	7.28	5.97	3.28	1.496	0.996	0.578	0.319

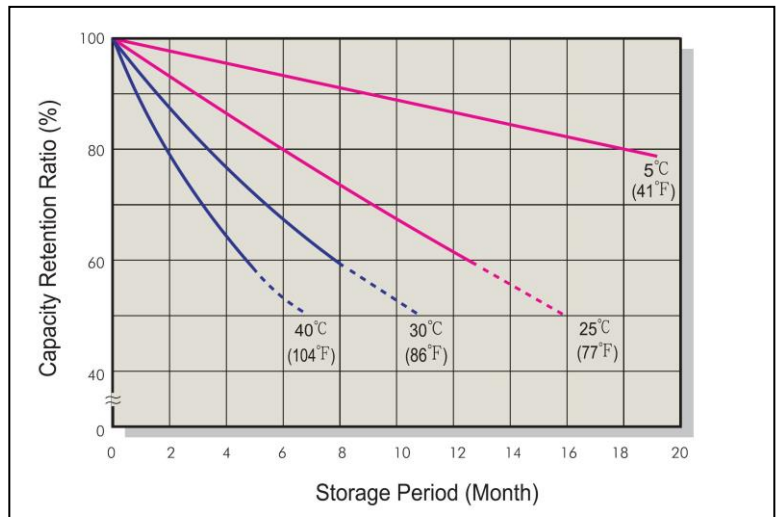
Ratings presented herein are subject to revision without notice.

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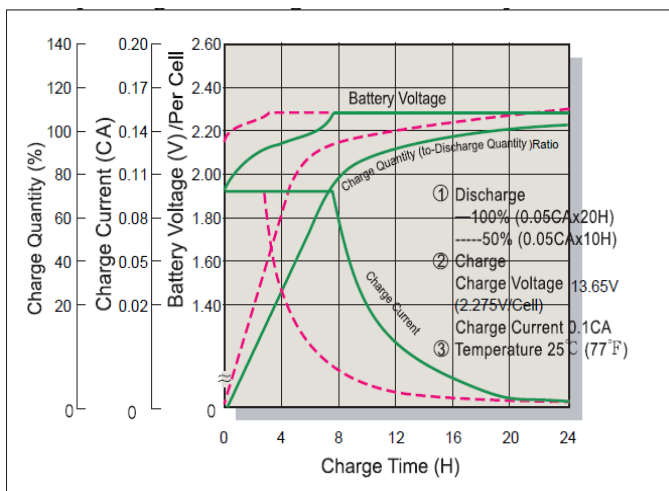
Trickle (or Float) Design Life



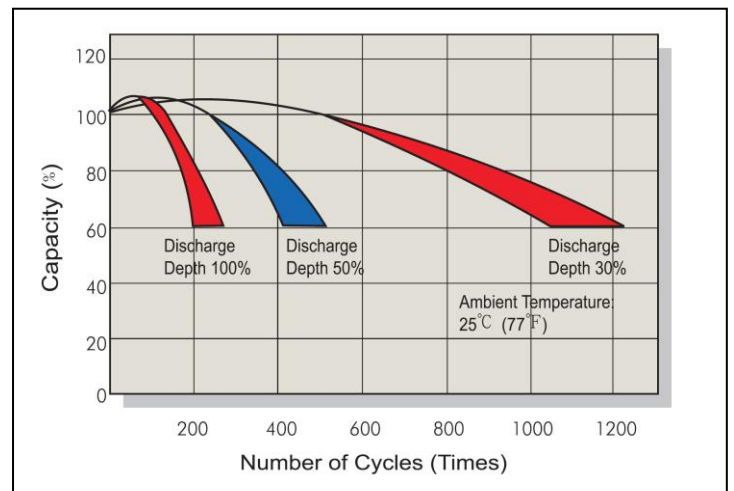
Capacity Retention Characteristic



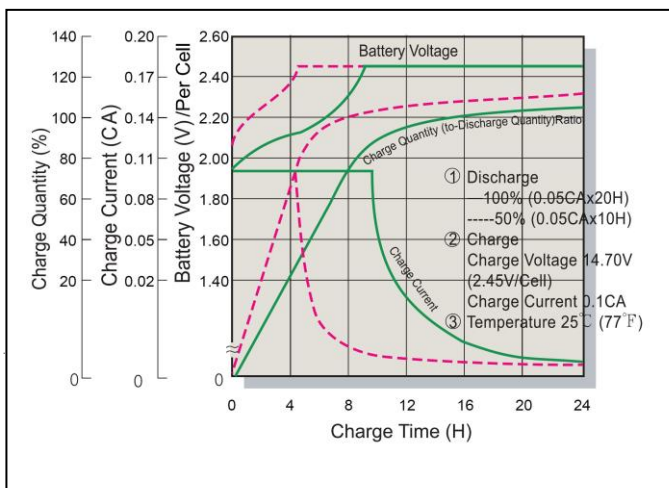
Battery Voltage and Charge Time for Standby Use



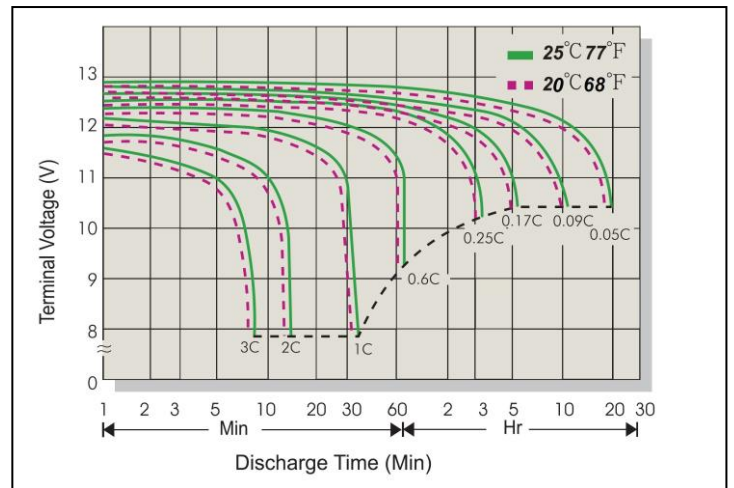
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage(V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C	2.450	2.40~2.50	0.3C
Standby	25°C	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.65	1.60
Discharge Current(A)	<0.2C	0.2C~0.5C	0.5C~1.0C	>1.0C

Effect of temperature on capacity

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

Self-discharge Characteristics

Storage time	Preservation rate
3 Months	91%
6 Months	82%
12 Months	64%