

VALVE REGULATED LEAD ACID BATTERY - UPS TYPE

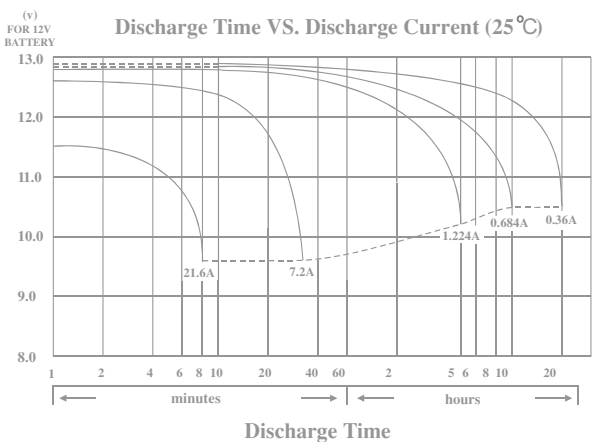
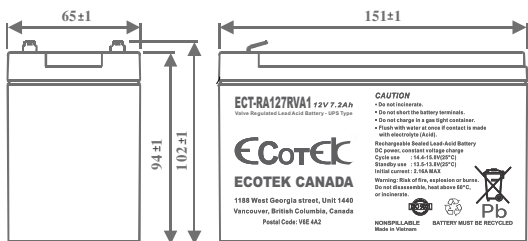
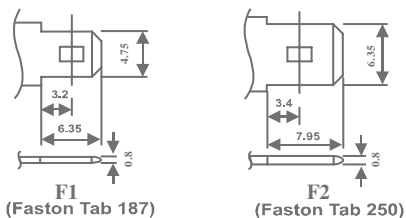
ABSORBENT GLASS MAT - AGM TECHNOLOGY

ECT-RA127R2VA1 **12V7.2Ah**



Dimensions

mm



Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(0.36A to 10.50V)	7.2Ah
10 hour rate	(0.684A to 10.50V)	6.84Ah
5 hour rate	(1.224A to 10.20V)	6.12Ah
1 C	(7.2A to 9.60V)	4.08Ah
3 C	(21.6A to 9.60V)	2.88Ah

Weight Approx. 2.4kg

Internal Resistance (at 1KHz) Approx. 22 mΩ

Maximum Discharge Current for

5 seconds: 108A

Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current	2.16A
Standby use:	
Float Charging Voltage	13.50 to 13.80V
Coefficient -3.0mV/°C/cell	

Operating Temperature Range

Charge	-15°C(5°F) to 40°C(104°F)
Discharge	-15°C(5°F) to 50°C(122°F)
Storage	-15°C(5°F) to 40°C(104°F)

Charge Retention (shelf life) at 20°C(68°F)

1 month	92%
3 month	90%
6 month	80%

Case Material ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

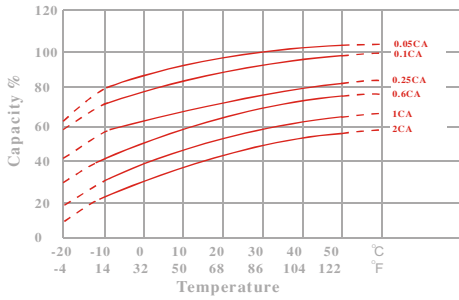
Terminal F1 or F2 (Faston Tab 187 or 250)

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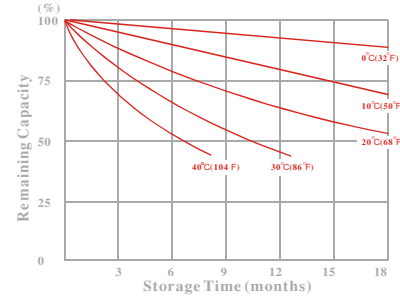
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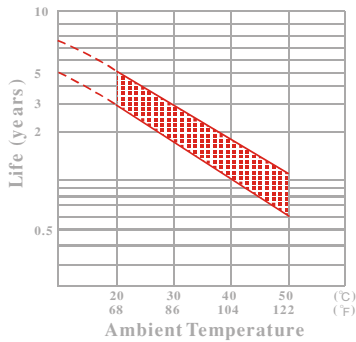
Effect of Temperature on Capacity 25°C (77°F)



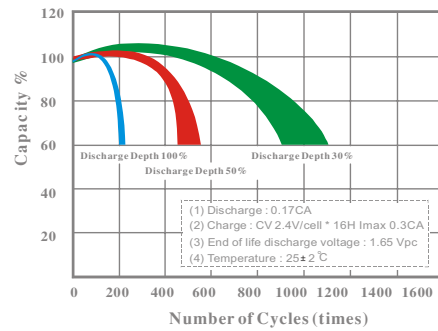
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

- Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

Time		EndVoltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min		42.8	48.0	50.3	52.5	53.5	54.3	55.8
10	min		29.8	31.3	32.7	34.0	34.8	35.3	36.3
15	min		24.5	25.5	26.2	26.8	27.0	27.5	28.2
30	min		13.0	13.7	14.1	14.5	14.6	14.7	14.9
60	min		8.43	8.73	8.97	9.15	9.22	9.30	9.45
120	min		4.21	4.39	4.63	5.22	5.27	5.32	5.40
180	min		3.27	3.45	3.60	3.73	3.77	3.82	3.87
240	min		2.87	3.01	3.10	3.15	3.17	3.20	3.23
300	min		2.47	2.54	2.63	2.68	2.70	2.72	2.73
600	min		1.36	1.39	1.42	1.44	1.44	1.45	1.46
1200	min		0.694	0.718	0.737	0.750	0.755	0.760	0.770

- Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

Time		EndVoltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min		23.5	26.4	28.1	29.7	30.5	31.3	32.6
10	min		16.2	17.0	18.2	18.6	18.8	19.1	19.8
15	MIN		12.5	13.1	13.6	13.9	14.0	14.2	14.5
30	min		6.61	6.92	7.14	7.30	7.38	7.45	7.61
60	min		3.98	4.13	4.25	4.36	4.39	4.42	4.48
120	min		2.05	2.14	2.21	2.27	2.29	2.32	2.35
180	min		1.63	1.69	1.75	1.80	1.82	1.84	1.87
240	min		1.30	1.37	1.42	1.45	1.46	1.47	1.49
300	min		1.11	1.16	1.23	1.25	1.26	1.27	1.28
600	min		0.650	0.680	0.721	0.728	0.732	0.737	0.747
1200	min		0.341	0.357	0.377	0.382	0.384	0.387	0.392

All data on the spec. sheet is an average value:

THE TOLERANCE RANGE : X<6MIN(+15%~-15%), 6MIN≤X<10MIN(+12%~-12%), 10MIN≤X<60MIN(+8%~-8%), X≥60MIN(+5%~-5%)
 Contents in this data sheet are subject to change for improvement without prior notice to users. For clarifications and updated information, please contact us.