

Cod. 00412080**VRLA BATTERY AGM TECHNOLOGY**

Revision 5.0

Specifications**Nominal Voltage (V)** 12V**Nominal Capacity**

20 hour rate	(0.350A to 10.5V)	7Ah
10 hour rate	(0.682A to 10.5V)	6.82Ah
5 hour rate	(1.19A to 10.20V)	5.95Ah
1 C	(7A to 9.60V)	4.43Ah
3 C	(21A to 9.60V)	2.8Ah

Weight Approx. 2.2kg (4.84 Lbs.)**Internal Resistance (at 1KHz)** Approx. 17 mΩ**Maximum Discharge Current for****5 seconds:** 105A**Charging Methods at 25°C (77°F)****Cycle use:**

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mv/°C/cell

Maximum Charging Current: 2.1A

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)

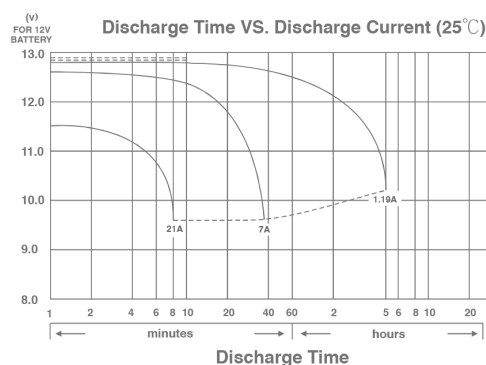
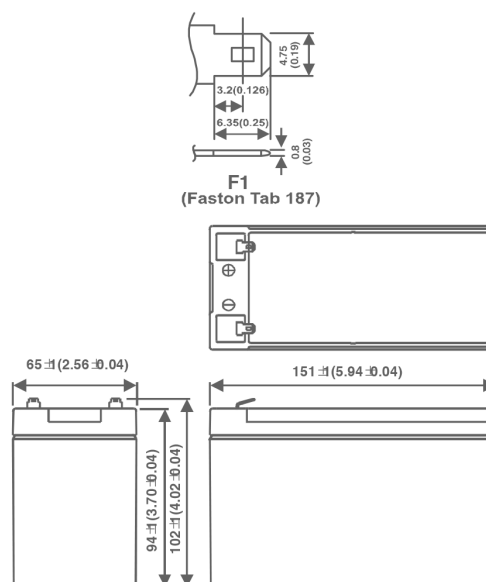
1 month 92%

3 month 90%

6 month 80%

Case Material ABS UL94HB

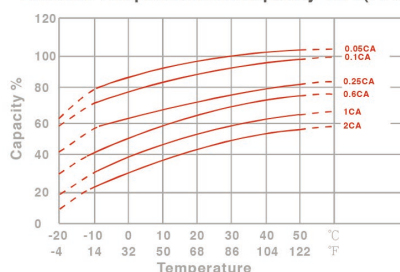
(Option: ABS UL94 V-0 flame retardant)

Terminal F1 (Faston Tab 187 or 250)**ENERGY
SAFE****Dimensions****mm (inch)**

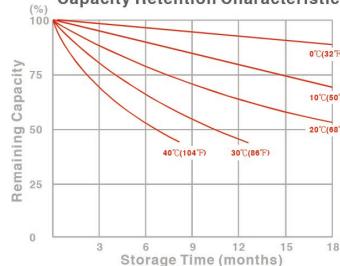
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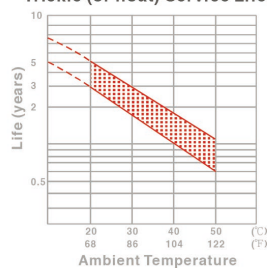
Effect of Temperature on Capacity 25°C(77°F)



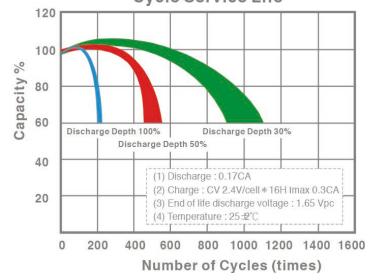
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



PERFORMANCE DATA

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

End Voltage	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	263	282	294	306	311	317	326
10	min	180	191	199	206	209	213	219
15	min	144	151	155	159	161	164	168
30	min	72.4	77.6	81.5	84.6	85.5	86.4	87.5
60	min	46.2	50.3	51.8	53.2	53.8	54.5	55.4
120	min	24.6	27.1	28.3	29.5	29.9	30.4	31.2
180	min	18.5	19.9	20.9	21.7	22.0	22.3	22.8
240	min	17.1	17.6	18.0	18.3	18.4	18.6	18.9
300	min	14.8	15.2	15.5	15.7	15.8	15.9	16.1
600	min	8.16	8.39	8.51	8.59	8.62	8.66	8.72
1200	min	4.14	4.23	4.31	4.37	4.39	4.42	4.46

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	23.1	26.2	27.8	29.1	29.6	30.5	31.7
10	min	16.1	17.3	18.1	18.6	18.9	19.2	19.8
15	min	12.6	13.1	13.5	13.8	14.0	14.1	14.3
30	min	6.54	7.05	7.28	7.47	7.56	7.68	7.85
60	min	4.02	4.25	4.41	4.52	4.58	4.63	4.71
120	min	2.26	2.38	2.45	2.49	2.51	2.54	2.57
180	min	1.65	1.74	1.79	1.82	1.83	1.85	1.88
240	min	1.39	1.44	1.48	1.51	1.53	1.55	1.57
300	min	1.13	1.19	1.24	1.28	1.30	1.31	1.32
600	min	0.667	0.675	0.682	0.687	0.690	0.694	0.699
1200	min	0.339	0.346	0.350	0.353	0.355	0.357	0.359

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

The tolerance range : $X < 6min$ (+15%~-15%), $6min \leq X < 10min$ (+12%~-12%), $10min \leq X < 60min$ (+8%~-8%), $X \geq 60min$ (+5%~-5%)