

12Volt 3.4Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(0.17A to 10.50V)	3.4Ah
10 hour rate	(0.323A to 10.50V)	3.23Ah
5 hour rate	(0.578A to 10.20V)	2.89Ah
1 C	(3.4A to 9.60V)	1.927Ah
3 C	(10.2A to 9.60V)	1.36Ah

Weight **Approx. 1.3kg(2.86Lbs.)**

Internal Resistance (at 1KHz) **Approx. 45 mΩ**

Maximum Discharge Current for

5 seconds: **51A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **1.02A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient -3.0mv/ /cell

Operating Temperature Range

Charge **-15 (5) to 40 (104)**

Discharge **-15 (5) to 50 (122)**

Storage **-15 (5) to 40 (104)**

Charge Retention (shelf life) at 20 (68)

1 month **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

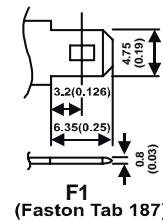
(UL94 HB flame retardant)

Terminal **F1(Faston Tab 187)**

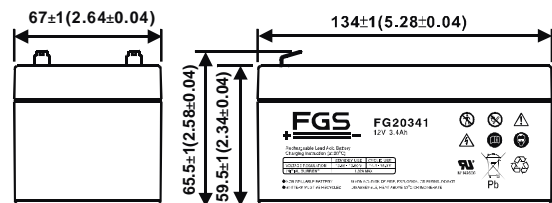
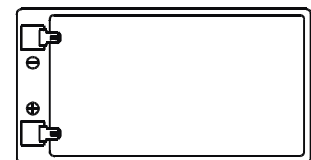


Dimensions

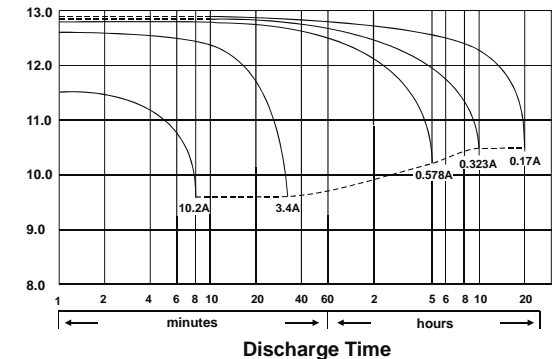
mm(inch)



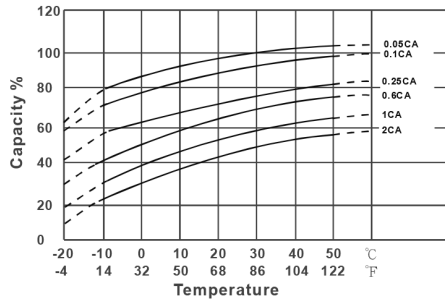
F1 (Faston Tab 187)



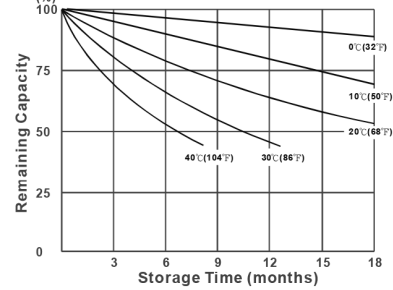
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25)



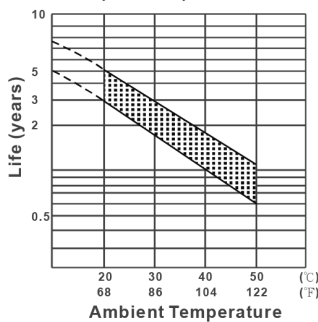
Effect of Temperature on Capacity 25°C (77°F)



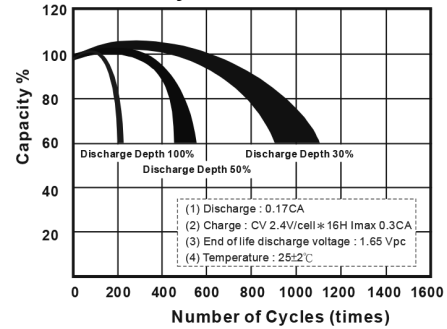
Capacity Retention Characteristic



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		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	134	151	164	175	179	184	190
10	min	94.2	103	110	115	117	119	121
15	min	76.2	83.8	88.2	90.1	90.8	91.3	92.0
30	min	41.0	45.1	47.5	48.5	48.8	49.1	49.6
60	min	25.4	27.8	29.1	29.8	30.0	30.3	30.7
120	min	13.3	14.6	15.2	15.6	15.8	16.0	16.2
180	min	10.8	11.7	12.2	12.5	12.6	12.8	12.9
240	min	8.68	9.35	9.68	9.94	10.1	10.2	10.4
300	min	7.37	7.99	8.40	8.60	8.65	8.71	8.81
600	min	4.36	4.72	4.96	5.08	5.11	5.14	5.20
1200	min	2.29	2.48	2.60	2.67	2.69	2.71	2.73

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	13.8	15.3	16.1	16.7	16.9	17.1	17.3
10	min	8.77	9.75	10.2	10.5	10.6	10.7	10.8
15	min	6.62	7.29	7.67	7.84	7.89	7.94	8.01
30	min	3.48	4.03	4.16	4.25	4.28	4.32	4.37
60	min	2.09	2.31	2.42	2.50	2.52	2.55	2.58
120	min	1.14	1.24	1.29	1.32	1.33	1.34	1.35
180	min	0.912	0.975	1.02	1.04	1.05	1.06	1.08
240	min	0.720	0.775	0.802	0.827	0.833	0.851	0.867
300	min	0.612	0.663	0.697	0.714	0.718	0.723	0.731
600	min	0.364	0.397	0.411	0.419	0.422	0.426	0.430
1200	min	0.197	0.209	0.218	0.226	0.229	0.232	0.236

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

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