



12FGH23

12Volt 5Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(0.25A to 10.50V)	5Ah
10 hour rate	(0.475A to 10.50V)	4.75Ah
5 hour rate	(0.85A to 10.20V)	4.25Ah
1 C	(5A to 9.60V)	2.833Ah
3 C	(15A to 9.60V)	2.0Ah

Weight **Approx. 1.9kg(4.18Lbs.)**

Internal Resistance (at 1KHz) **Approx. 19 mΩ**

Maximum Discharge Current for

5 seconds: **75A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **1.5A**

Standby use:

Float Charging Voltage **13.5 to 13.8V**

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**

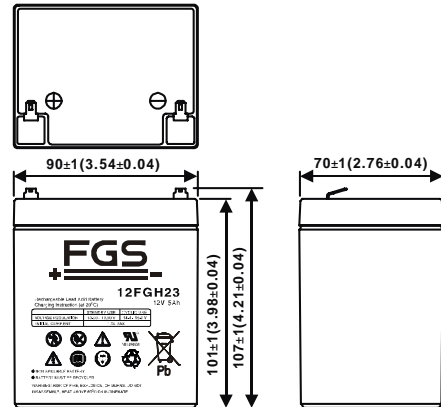
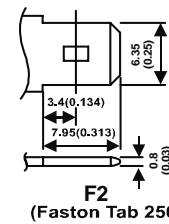
(UL94 HB flame retardant)

Terminal **F2 (Faston Tab 250)**

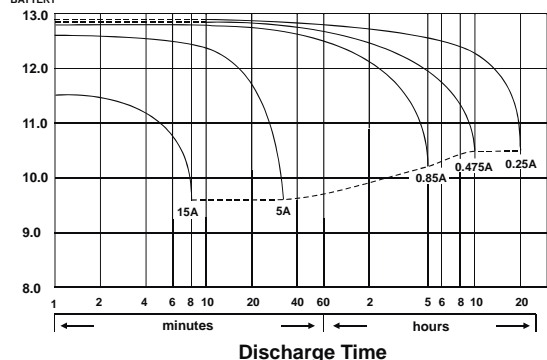


Dimensions

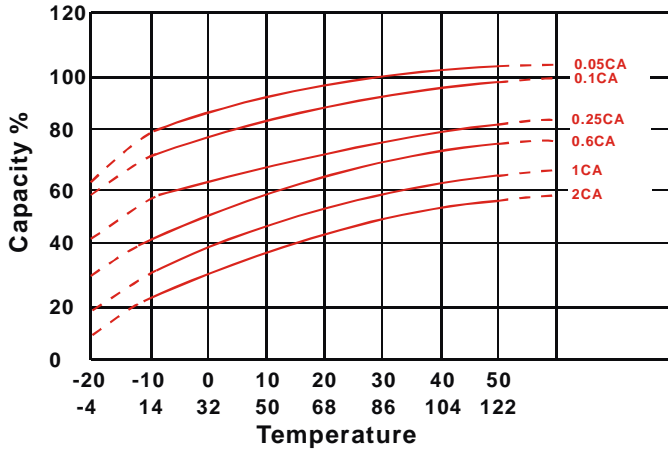
mm(inch)



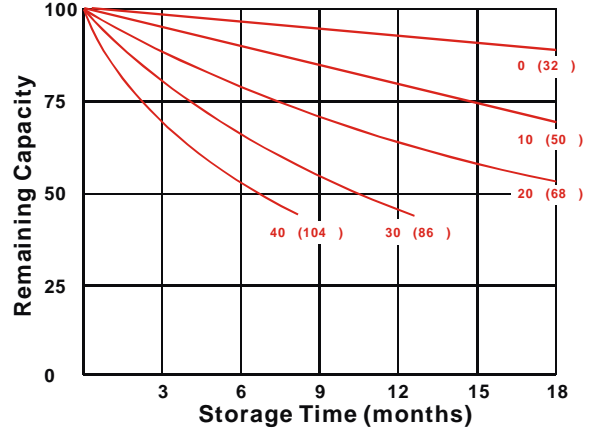
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25)



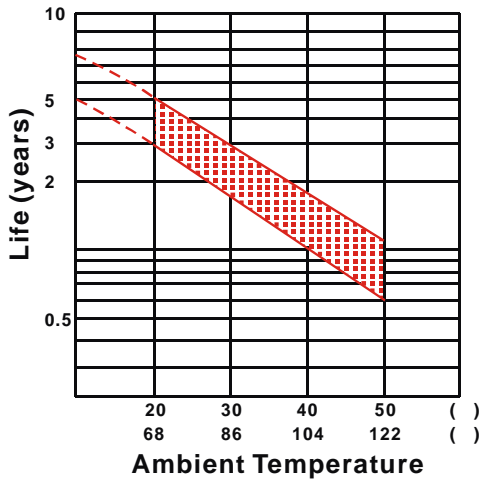
Effect of Temperature on Capacity 25 (77 °)



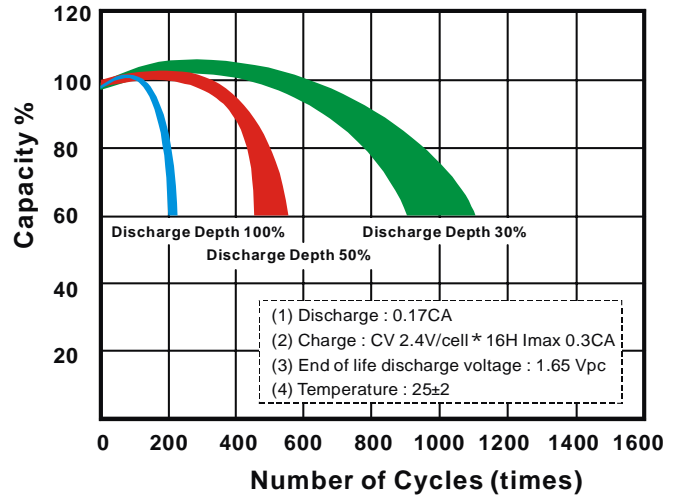
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



(1) Discharge : 0.17CA
 (2) Charge : CV 2.4V/cell * 16H Imax 0.3CA
 (3) End of life discharge voltage : 1.65 Vpc
 (4) Temperature : 25±2