



FGG23204

12Volt 32Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(1.6A	to	10.50V)	32Ah
5 hour rate	(5.44A	to	10.20V)	27.2Ah
1 hour rate	(17.6A	to	9.60V)	17.6Ah
3 C	(32A	to	9.60V)	17.07Ah

Weight **Approx. 11.1kg(24.42Lbs.)**

Internal Resistance (at 1KHz) **Approx. 9 mΩ**

Maximum Discharge Current for

5 seconds: **480A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **13.8 to 14.4V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **9.6A**

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**

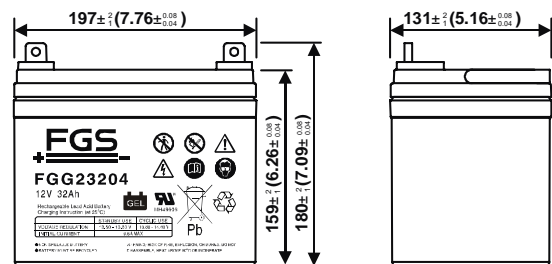
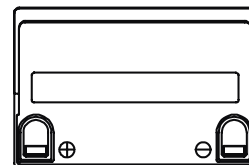
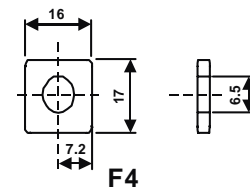
(UL94 HB flame retardant)

Terminal **F4**

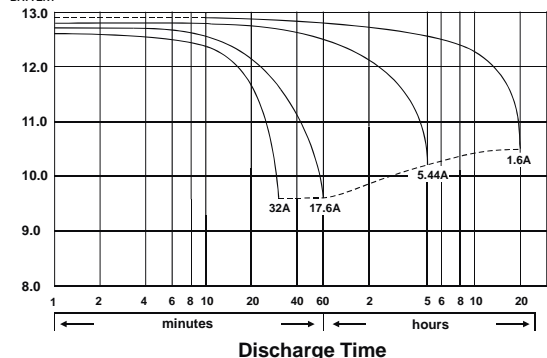


Dimensions

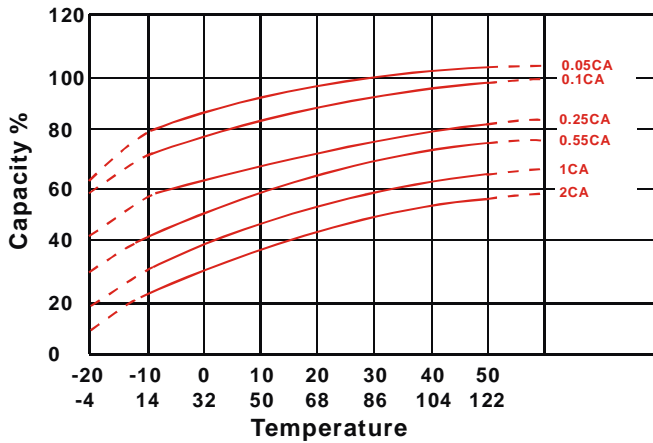
mm(inch)



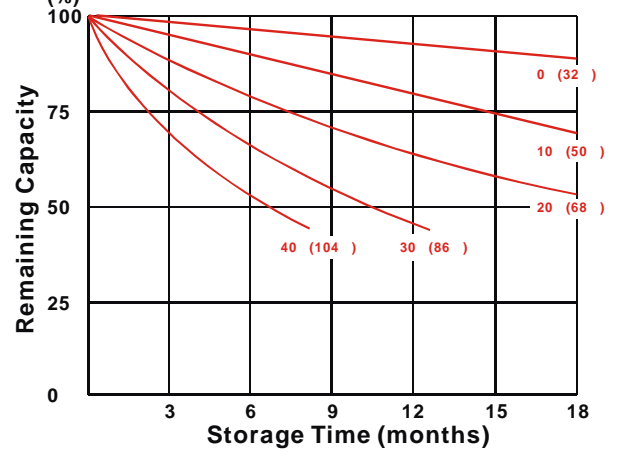
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25)



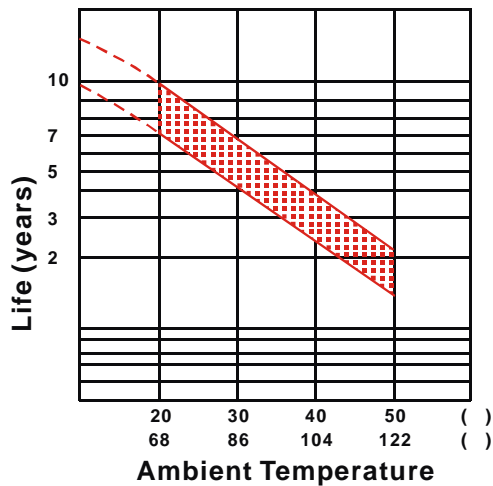
Effect of Temperature on Capacity 25 (77)



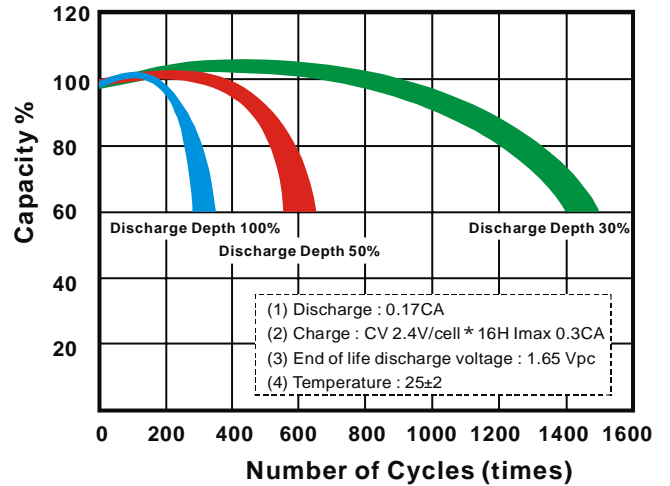
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



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