



FGL210009

12Volt 100Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

10 hour rate	(10A	to	10.80V)	100Ah
5 hour rate	(17A	to	10.20V)	85Ah
1 hour rate	(60A	to	9.60V)	60Ah

Weight **Approx. 31.3kg(68.9Lbs.)**

Internal Resistance (at 1KHz) **Approx. 4 mΩ**

Maximum Discharge Current for 5 seconds: **1200A**

Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	30A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
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)

Design Life **12 years**

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

1 month	98%
3 month	94%
6 month	85%

Case Material **ABS UL94 HB**

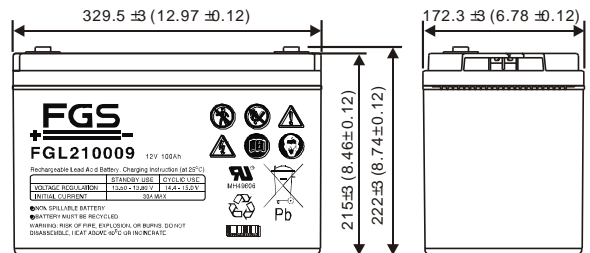
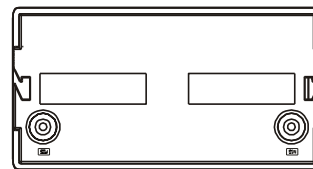
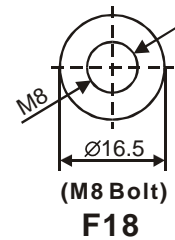
Terminal **F18**

Description of torque value of hard ware for the terminals:
 Recommended torque value **M8: 7 N-m (71kgf-cm)**
 Maximum allowable torque value **M8: 9 N-m (92kgf-cm)**

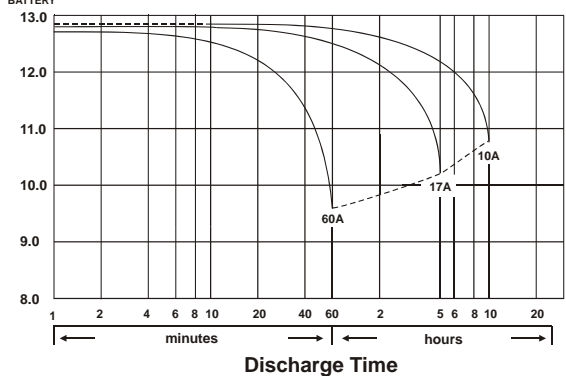


Dimensions

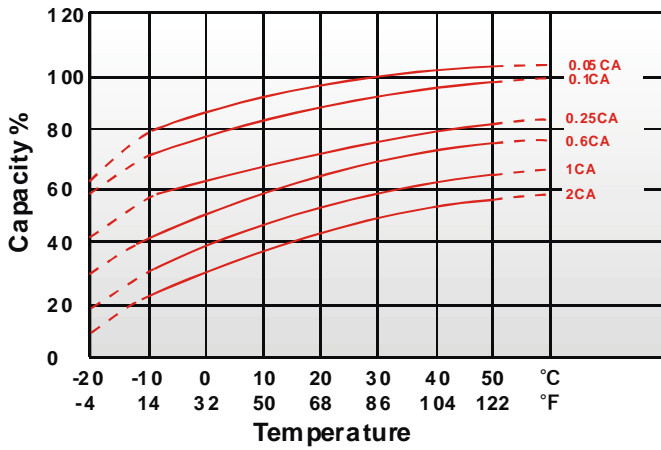
mm(inch)



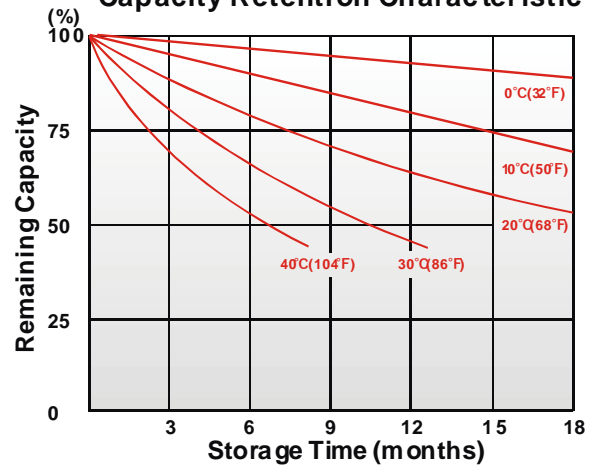
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



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



Capacity Retention Characteristic



Trickle (or float) Service Life

