



12FGHL290

12Volt 80Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

10 hour rate	(8.0A	to	10.80V)	80Ah
5 hour rate	(13.6A	to	10.20V)	68Ah
1 hour rate	(48A	to	9.60V)	48Ah
1 C	(80A	to	9.60V)	50.67Ah

Weight **Approx. 24.2kg(53.24Lbs.)**

Internal Resistance (at 1KHz) **Approx. 5 mΩ**

Maximum Discharge Current for 5 seconds: **960A**

Charging Methods at 25 (77)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/ /cell	
Maximum Charging Current :	24A
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)

Design Life **12 years**

Charge Retention (shelf life) at 20 (68)

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

Case Material **ABS UL94 HB**

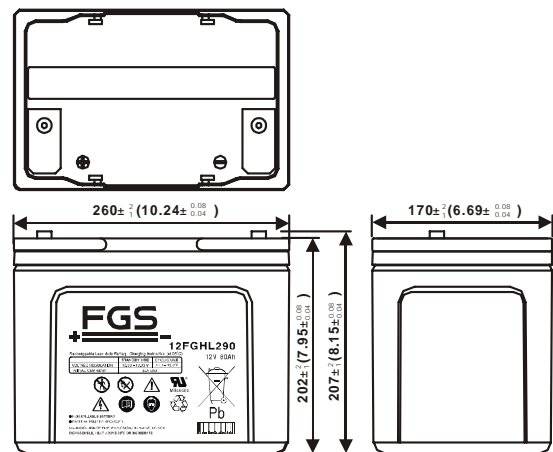
Terminal **F8**

Description of torque value of hard ware for the terminals:
 Recommended torque value **M6: 7 N-m (71kgf-cm)**
 Maximum allowable torque value **M6: 9 N-m (92kgf-cm)**

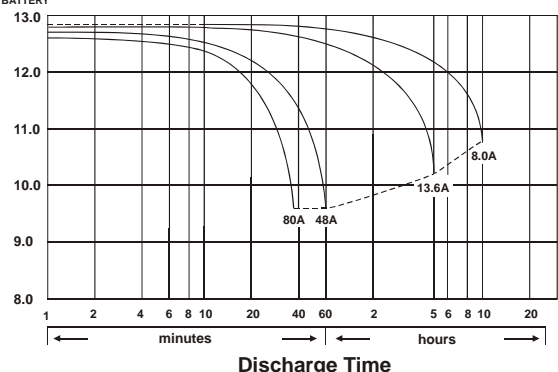


Dimensions

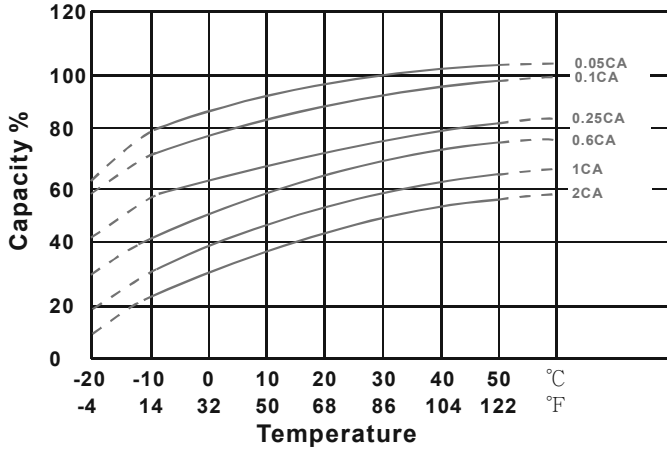
mm(inch)



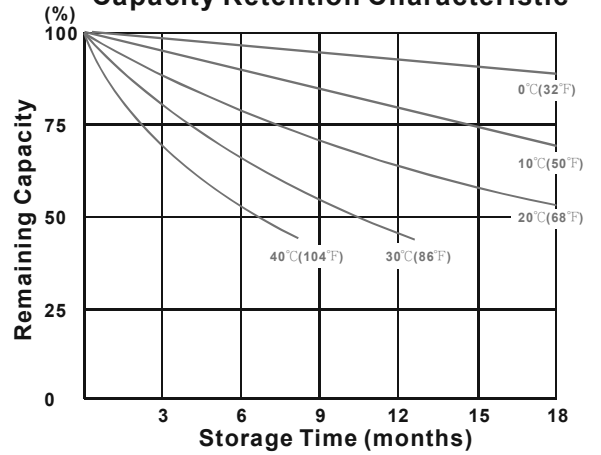
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25)



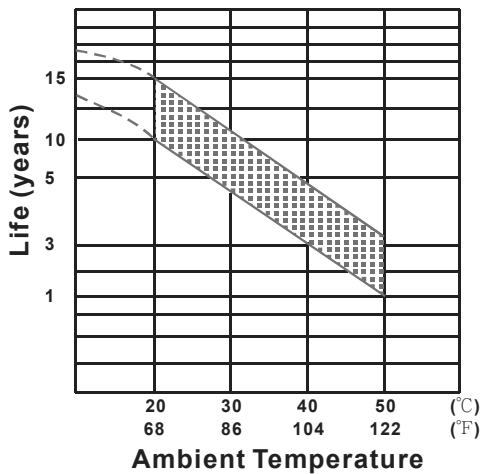
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

