



FGL24507

12Volt 45Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(2.25A to 10.50V)	45Ah
10 hour rate	(4.275A to 10.50V)	42.75Ah
5 hour rate	(7.65A to 10.20V)	38.25Ah
1 C	(45A to 9.60V)	28.5Ah
3 C	(135A to 9.60V)	18Ah

Weight **Approx. 14.6kg(32.1Lbs.)**

Internal Resistance (at 1KHz) **Approx. 7.5 mΩ**

Maximum Discharge Current for 5 seconds: **540A**

Maximum Charging Current : **13.5A**

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)

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

1 month	92%
3 month	90%
6 month	80%

Case Material **ABS UL94 HB**

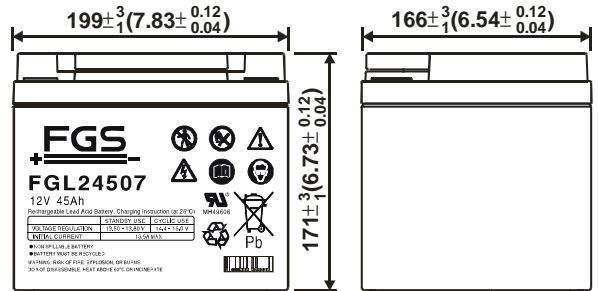
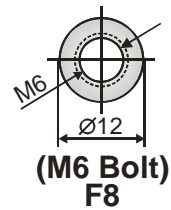
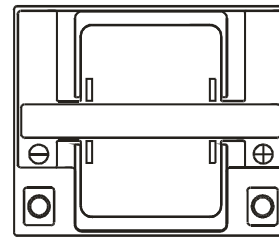
Terminal **F8**

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)**

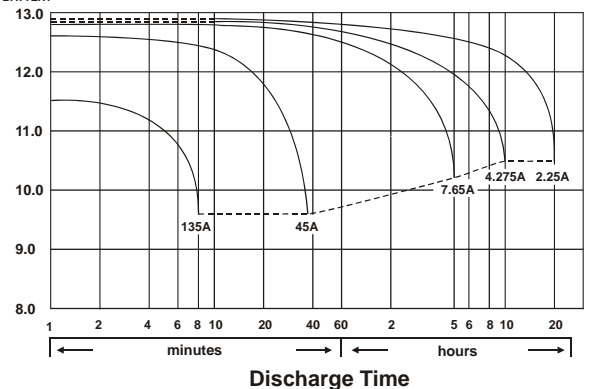


Dimensions

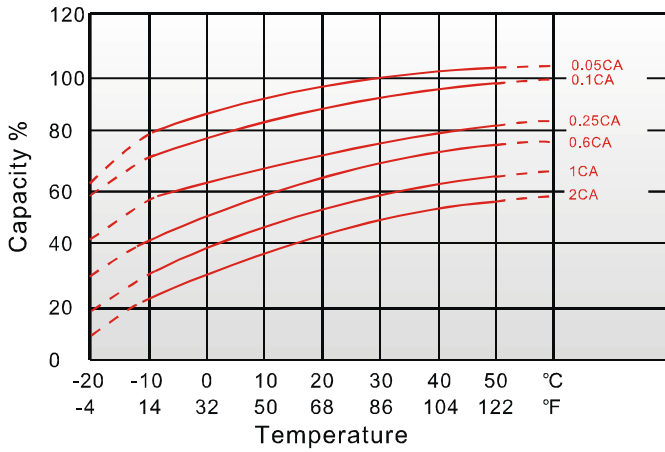
mm(inch)



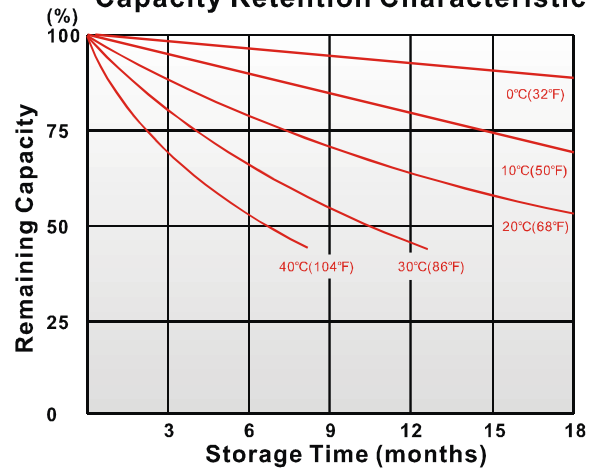
(V) FOR 12V BATTERY **Discharge Time VS. Discharge Current (25°C)**



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



Capacity Retention Characteristic



Trickle (or float) Service Life

