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FGC25507

## 12Volt 55Ah

### Specifications

Nominal Voltage(V) 12V

#### Nominal Capacity

20 hour rate	(2.75A to 10.50V)	55Ah
10 hour rate	(5.225A to 10.50V)	52.25Ah
5 hour rate	(9.35A to 10.20V)	46.75Ah
1 C	(55A to 9.60V)	31.17Ah
3 C	(165A to 9.60V)	22Ah

Weight Approx. 17.0kg(37.4Lbs.)

Internal Resistance (at 1KHz) Approx. 8 mΩ

Maximum Discharge Current for 5 seconds: 660A

#### Charging Methods at 25 (77 )

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mv/ /cell

Maximum Charging Current : 16.5A

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 98%

3 month 94%

6 month 85%

Case Material ABS

(UL94 HB flame retardant )

Terminal F8

Description of torque value of hard ware for the terminals:

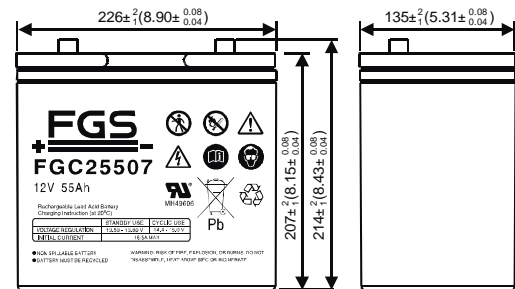
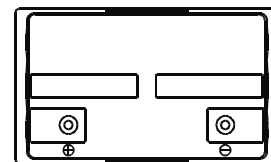
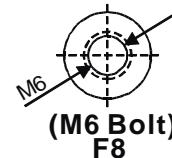
Recommended torque value M6: 5.39 N-m (55kg-cm)

Maximum allowable torque value M6: 8.82 N-m (90kg-cm)

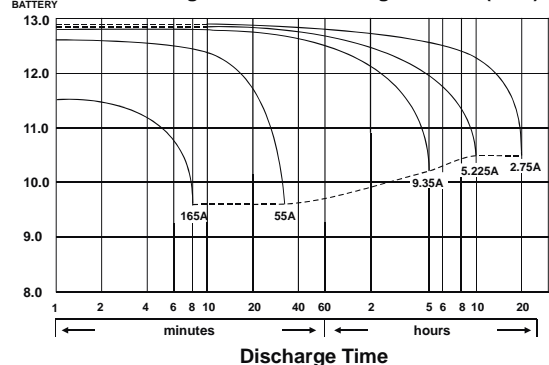


### Dimensions

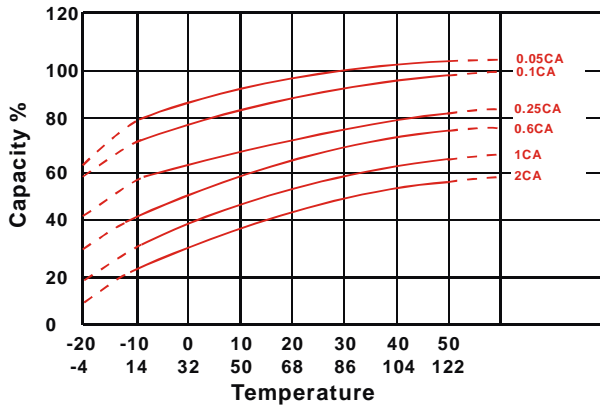
mm(inch)



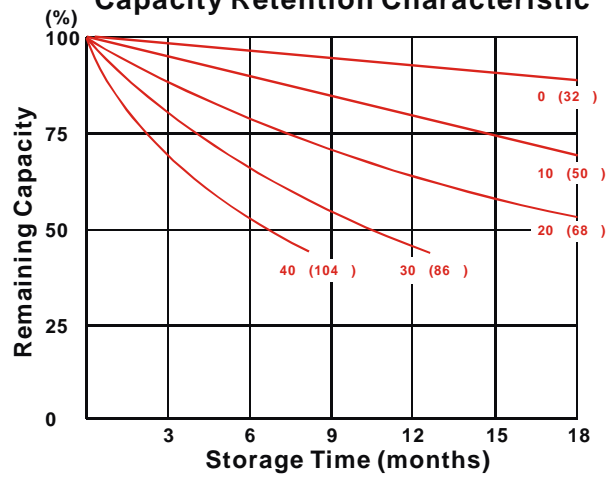
(V) Discharge Time VS. Discharge Current (25 )



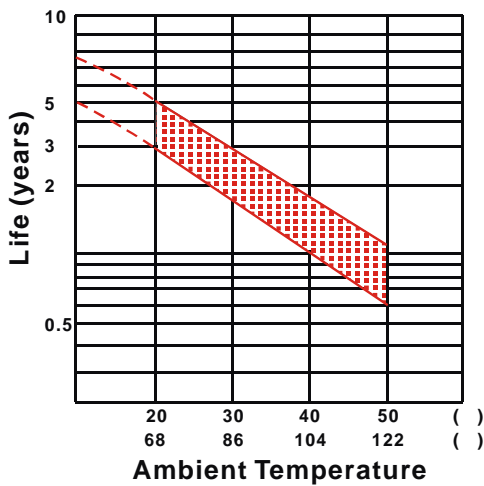
Effect of Temperature on Capacity 25 (77 °C)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

