



# 12FGH65

## 12Volt 18Ah

### Specifications

Nominal Voltage(V) **12V**

#### Nominal Capacity

20 hour rate	(0.9A	to	10.50V)	18Ah
10 hour rate	(1.71A	to	10.50V)	17.1Ah
5 hour rate	(3.06A	to	10.20V)	15.3Ah
1 C	(18A	to	9.60V)	11.4Ah
3 C	(54A	to	9.60V)	7.2Ah

Weight **Approx. 5.6kg(12.32Lbs.)**

Internal Resistance (at 1KHz) **Approx. 10.5 mΩ**

#### Maximum Discharge Current for

5 seconds: **270A**

#### Charging Methods at 25 (77 )

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **5.4A**

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 **F6**

Description of torque value of hard ware for the terminals:

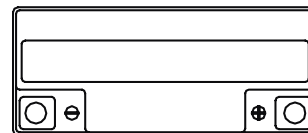
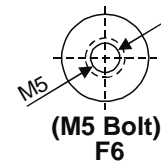
Recommended torque value **M5: 2.94 N-m (30kg-cm)**

Maximum allowable torque value **M5: 4.90 N-m (50kg-cm)**



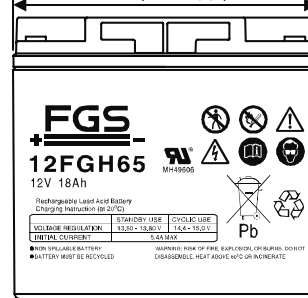
### Dimensions

mm(inch)



181±<sup>2</sup><sub>1</sub>(7.13±<sup>0.08</sup><sub>0.04</sub>)

76±<sup>2</sup><sub>1</sub>(2.99±<sup>0.08</sup><sub>0.04</sub>)



167±<sup>2</sup><sub>1</sub>(6.57±<sup>0.08</sup><sub>0.04</sub>)

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

