



# ES22-12

## SPECIFICATIONS

**Nominal Voltage (V)** 12V

### Nominal Capacity

20 hour rate ( 1.1A to 10.50V )	22Ah
10 hour rate ( 2.09A to 10.50V )	20.9Ah
5 hour rate ( 3.74A to 10.20V )	18.7Ah
1C ( 22A to 9.60V )	12.47Ah
3C ( 66A to 9.60V )	8.8Ah

**Weight** Approx. 15.18Lbs. (6.9kg)

**Internal Resistance (at 1KHz)** Approx. 9 mΩ

**Maximum Current Resistance :  
5 seconds :** 330A

### 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 months	90%
6 months	80%

### Charging Methods at 25°C ( 77°F )

**Cycle Use :** Charging Voltage 14.4 to 15.0V  
Coefficient -5.0mv / °C / cell  
Maximum Charging Current : 6.6A

**Standby Use :** Float Charging Voltage 13.50 to 13.80V  
Coefficient -3.0mv / °C / cell

**Case Material :** ABS UL94HB

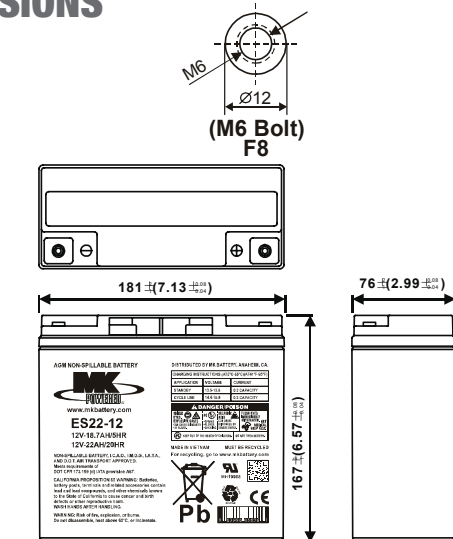
**Terminal :** F8

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

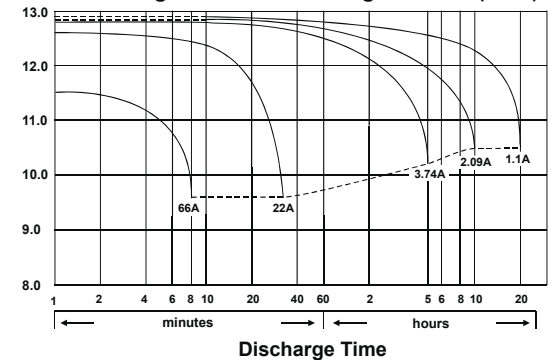
## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



## DIMENSIONS



## Discharge Time VS. Discharge Current (25°C)



## MK Battery

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