



# ES3-12

## SPECIFICATIONS

Nominal Voltage (V) 12V

### Nominal Capacity

20 hour rate ( 0.15A to 10.50V )	3Ah
10 hour rate ( 0.285A to 10.50V )	2.85Ah
5 hour rate ( 0.51A to 10.20V )	2.55Ah
1C ( 3A to 9.60V )	1.6Ah
3C ( 9A to 9.60V )	1.05Ah

Weight Approx. 2.86Lbs. (1.3kg)

Internal Resistance (at 1KHz) Approx. 45 mΩ

Maximum Discharge Current for 5 seconds : 45A

### 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 : 0.9A

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

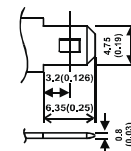
Case Material : ABS  
(Option : UL94 HB Flame Retardant Case Material)

Terminal : F1

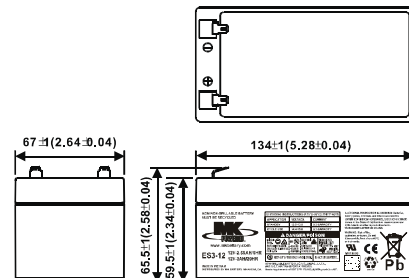
## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



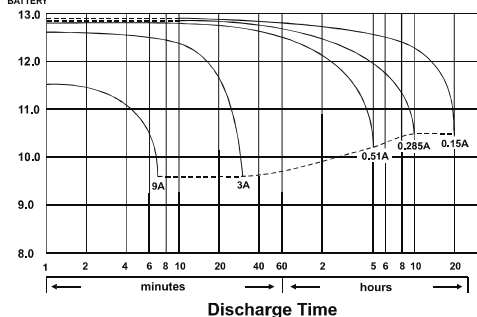
## DIMENSIONS



F1 (Faston Tab 187)



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



## MK Battery

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