

# ES1.9-12

## SPECIFICATIONS

Nominal Voltage (V) 12V

### Nominal Capacity

20hour rate ( 0.115A to 10.50V ) 2.3Ah

10hour rate ( 0.23A to 10.50V ) 2.3Ah

5hour rate ( 0.39A to 10.20V ) 1.96Ah

1C ( 2.3A to 9.60V ) 1.04Ah

3C ( 6.9A to 9.60V ) 0.83Ah

Weight 2.34 Lbs. (1.06 kg)

Internal Resistance (at 1KHz) 36 mΩ

Maximum Discharge Current for 30 seconds : 46A

Maximum Discharge Current for 5 seconds : 92A

### Operating Temperature Range

Charge 0°C(32°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%

### Charging Methods at 25°C (77°F)

Cycle use : Charging Voltage 14.4 to 15.0V  
Maximum Charging Current 0.69A

Standby use : Float Charging Voltage 13.50 to 13.80V  
No current limit required

### Life expectancy :

Cycle Use : 100% depth of discharge 250 cycles

80% depth of discharge 350 cycles

50% depth of discharge 550 cycles

Standby Use : 3~5 years

Case Material ABS

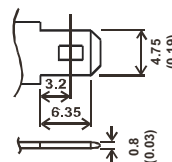
(94-HB & 94V-0 flame retardant case)

Terminal F1

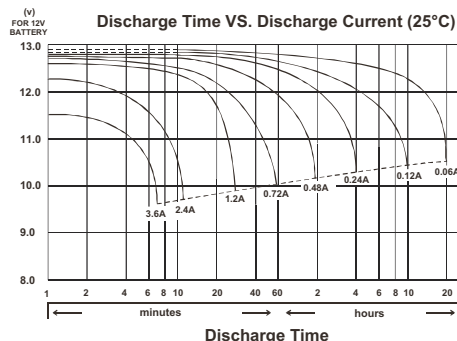
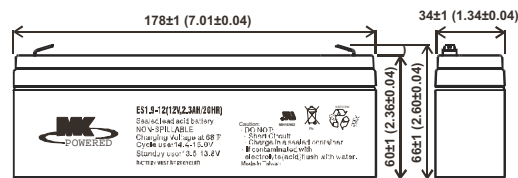
## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



## DIMENSIONS



F1  
(FASTON TAB NO. 187)



## MK Battery

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