

# ES9-12

## SPECIFICATIONS

**Nominal Voltage (V)** 12V

### Nominal Capacity

20hour rate ( 0.45A to 10.50V )	9Ah
10hour rate ( 0.9A to 10.50V )	8.55Ah
5hour rate ( 1.53A to 10.20V )	7.65Ah
1C ( 9A to 9.60V )	6.30Ah
3C ( 27A To 9.60V )	4.59Ah

**Weight** 6.56 Lbs. (2.98kg)

**Internal Resistance (at 1KHz)** 7 mΩ

**Maximum Discharge Current for 30 seconds :** 180A

**Maximum Discharge Current for 5 seconds :** 360A

### 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 : 2.7A

**Standby use :** Float Charging Voltage 13.50 to 13.80V

### Life expectancy :

**Cycle Use :** 100% depth of discharge 225 cycles  
80% depth of discharge 250 cycles  
50% depth of discharge 750 cycles

**Standby Use :** 3-5 years

**Case Material** ABS  
(Option : 94-HB & 94V-0 flame retardant case)

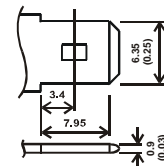
**Terminal** F2

## Maintenance-Free Rechargeable Sealed Lead-Acid Battery

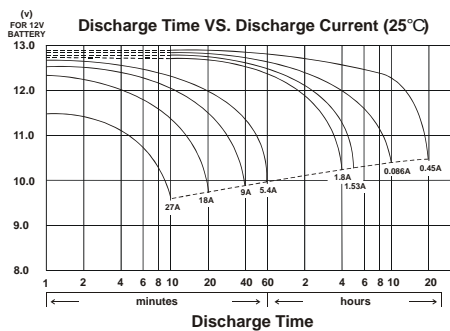
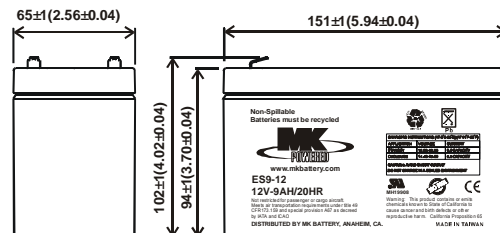


## DIMENSIONS

mm(inch)



(FASTON TAB NO. 250)



MK Battery

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