

# ES5-12FR

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

<b>Nominal Voltage (V)</b>	12V
<b>Capacity 25°C (77°F)</b>	
20hour rate @ 0.25A	5.0Ah
5 hour rate @ 0.8A	4.0Ah
1 hour rate @ 3.0A	3.0Ah
1 C @ 5.0A	2.5Ah
<b>Weight</b>	4.03 Lbs. (1.83 kg)
<b>Internal Resistance (25°C, 77°F)</b>	~32 mΩ
<b>Maximum Discharge Current for 5 seconds :</b>	60A
<b>Maximum Charge Current (A)</b>	1.5A

## Discharge Capacity under Different Temperatures

40°C	: ~102%
25°C	: ~100%
0°C	: ~85%

## Charging Methods at 25°C (77°F)

### Cycle use:

Charging Voltage  $14.7 \pm V0.3V$

### Standby use:

Charging Voltage  $13.65 \pm V0.15V$

## Self-Discharge Residual Capacity (25°C, 77°F)

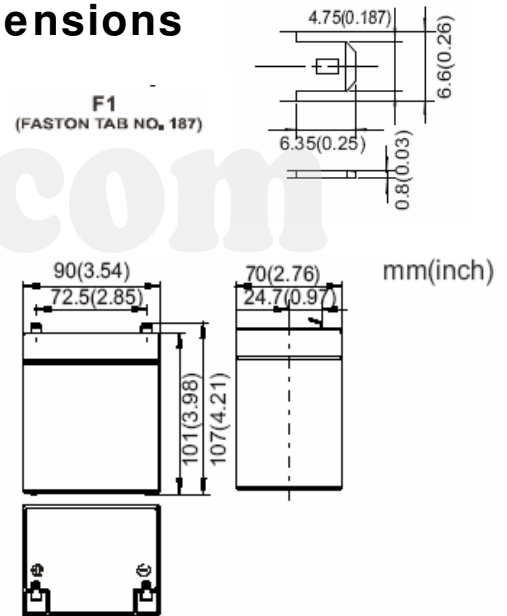
After 3 months	: ~90%
After 6 months	: ~82%
After 12 months	: ~70%

**Case Material** UL94V-0 ABS

**Terminal** F1

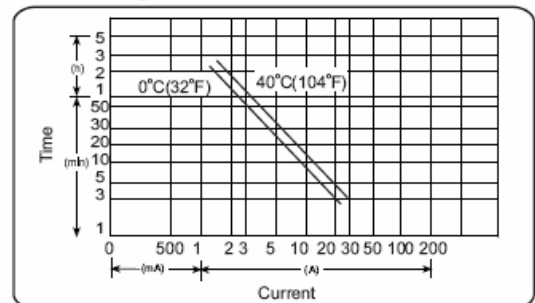


## Dimensions



Tolerances are +/-0.04 in. (+/-1mm) and +/-0.08 in. (+/-2mm) for height dimensions.

## Discharge Current vs Time



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