

ES5-12FR

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

Nominal Voltage (V)	12V
Capacity 25°C (77°F)	
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
Weight	4.03 Lbs. (1.83 kg)
Internal Resistance (25°C, 77°F)	~32 mΩ
Maximum Discharge Current for 5 seconds :	60A
Maximum Charge Current (A)	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%

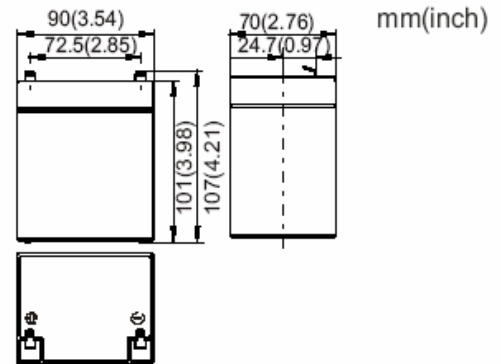
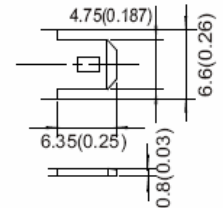
Case Material UL94V-0 ABS

Terminal F1



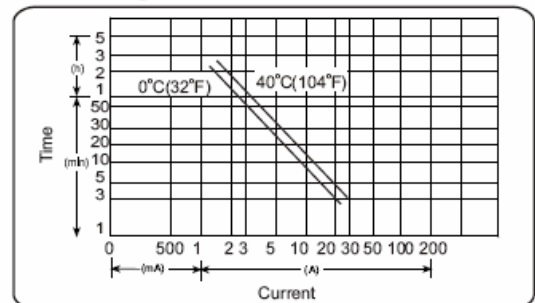
Dimensions

F1
(FASTON TAB NO. 187)



Tolerances are ± 0.04 in. (± 1 mm) and ± 0.08 in. (± 2 mm) for height dimensions.

Discharge Current vs Time



MK Battery

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