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 ± V0.3V

Standby use:

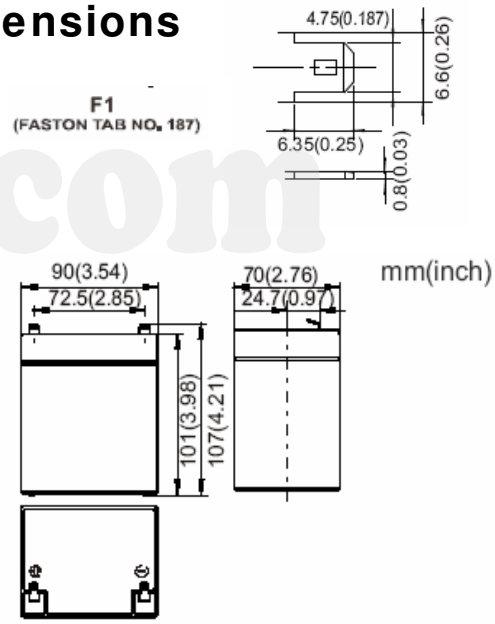
Charging Voltage 13.65 ± V0.15V

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

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

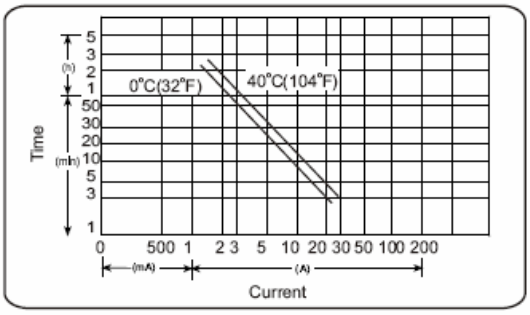
Case Material	UL94V-0 ABS
Terminal	F1

Dimensions



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

Discharge Current vs Time



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