

# ES4.5-4

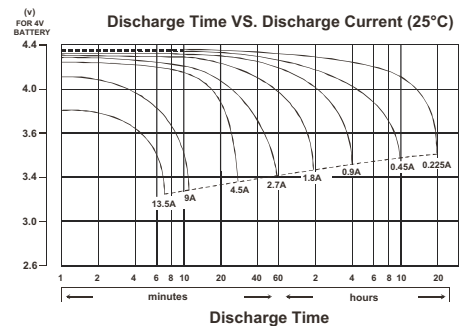
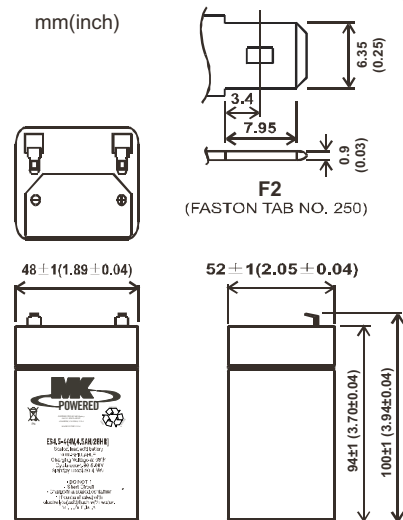
## SPECIFICATIONS

<b>Nominal Voltage (V)</b>	4V
<b>Nominal Capacity</b>	
20hour rate ( 0.225A to 3.50V )	4.5Ah
10hour rate ( .45A to 3.50V )	4.5Ah
5hour rate ( .765A to 3.50V )	3.825Ah
1C ( 4.5A to 3.20V )	2.025Ah
3C ( 13.5A to 3.20V )	1.62Ah
<b>Weight</b>	1.43 Lbs. (0.652 kg)
<b>Internal Resistance (at 1KHz)</b>	11 mΩ
<b>Maximum Discharge Current for 30 seconds :</b>	90A
<b>Maximum Discharge Current for 5 seconds :</b>	180A
<b>Operating Temperature Range</b>	
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)
<b>Charge Retention (shelf life) at 20°C (68°F)</b>	
1 month	92%
3 month	90%
6 month	80%
<b>Charging Methods at 25°C (77°F)</b>	
Cycle use :	Charging Voltage 4.80 to 5.00V Maximum Charging Current 1.35A
Standby use :	Float Charging Voltage 4.50 to 4.60V No current limit required
<b>Life expectancy :</b>	
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)
<b>Terminal</b>	F2

## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



## DIMENSIONS



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