



# ES4.5-4

## SPECIFICATIONS

**Nominal Voltage (V)** 4V

### Nominal Capacity

20 hour rate ( 0.225A to 3.5V )	4.5Ah
10 hour rate ( 0.42A to 3.5V )	4.2Ah
5 hour rate ( 0.765A to 3.4V )	3.825Ah
1C ( 4.5A to 3.2V )	2.55Ah
3C ( 13.5A to 3.2V )	1.8Ah

**Weight** Approx. 1.06Lbs. (0.48kg)

**Internal Resistance (at 1KHz)** 22 mΩ

**Maximum Discharge Current for 5 seconds :** 45A

### Operating Temperature Range

Charge	0°C ( 32°F ) to 50°C (122°F )
Discharge	-20°C ( 68°F ) to 60°C (140°F )
Storage	-20°C ( 68°F ) to 60°C (140°F )

### Charging Methods at 25°C ( 77°F )

**Cycle Use :** Charging Voltage 4.8 to 5.0V  
Coefficient -5.0mv / °C / cell  
Maximum Charging Current : 1.35A

**Standby Use :** Float Charging Voltage 4.5 to 4.6V  
Coefficient -3.0mv / °C / cell

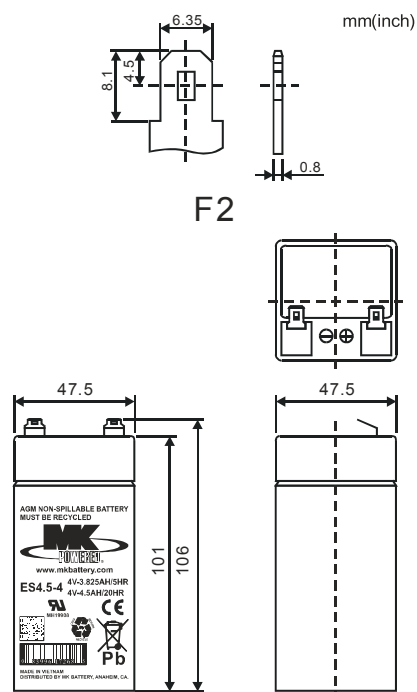
**Case Material :** ABS  
(Option : UL94 HB Flame Retardant Case Material)

**Terminal :** F2

## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



## DIMENSIONS



## MK Battery

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