

# VTM 4.5A-12

## Specifications



Nominal Voltage(V) **12V**

### Nominal Capacity

20 hour rate	(0.225A	to	10.50V)	4.5Ah
10 hour rate	(0.428A	to	10.50V)	4.275Ah
5 hour rate	(0.765A	to	10.20V)	3.825Ah
1 C	(4.5A	to	9.60V)	2.55Ah
3 C	(13.5A	to	9.60V)	1.8Ah

Weight **Approx. 1.60kg(3.52Lbs.)**

Internal Resistance (at 1KHz) **Approx. 35 mΩ**

Maximum Discharge Current for 5 seconds: **67.5A**

### Charging Methods at 25°C (77°F)

#### Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient **-5.0mV/°C/cell**

Maximum Charging Current : **1.35A**

#### Standby use:

Float Charging Voltage **13.5 to 13.8V**

Coefficient **-3.0mV/°C/cell**

### Operating Temperature Range

Charge **-15°C (5°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)**

### Charge Retention (shelf life) at 20°C (68°F)

1 month **92%**

3 month **90%**

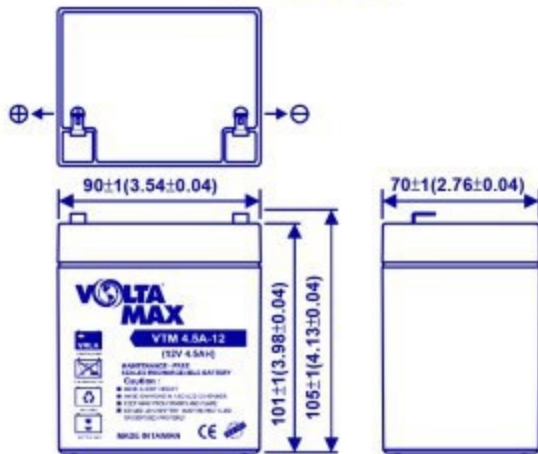
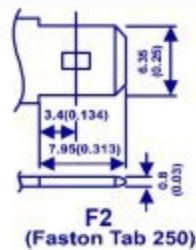
6 month **80%**

Case Material **ABS UL94 HB**

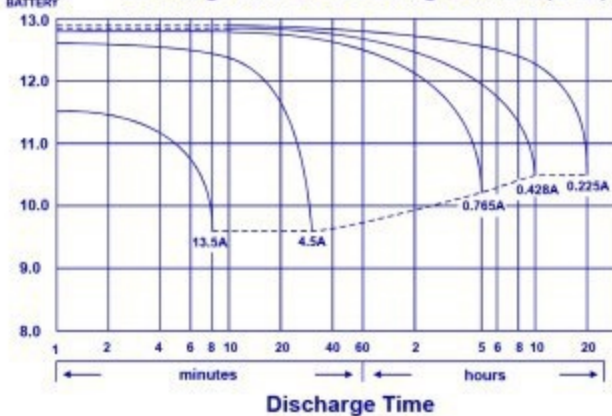
Terminal **F2 (Faston Tab 250)**

## Dimensions

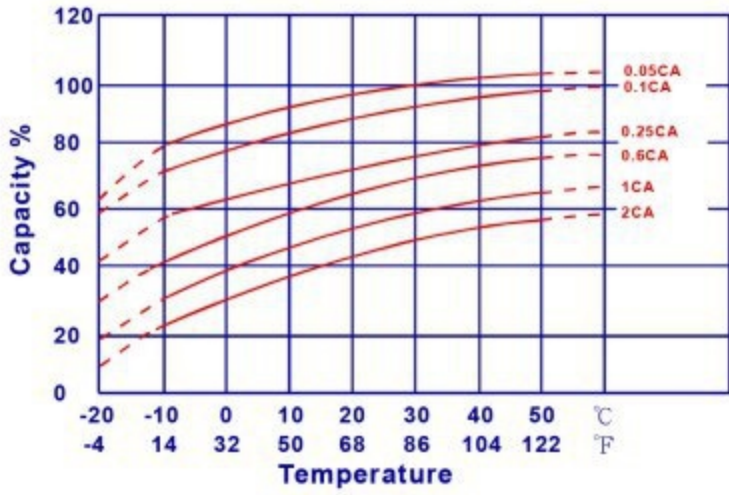
mm(inch)



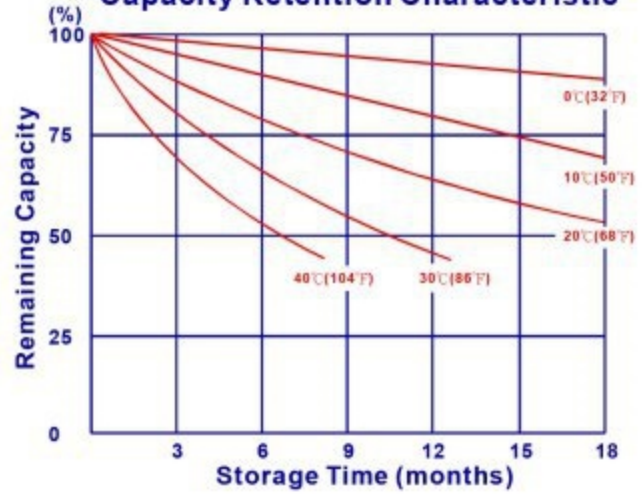
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



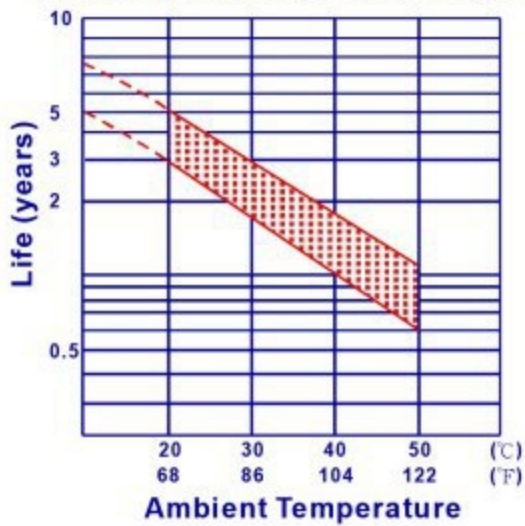
**Effect of Temperature on Capacity 25°C (77°F)**



**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**

