



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%

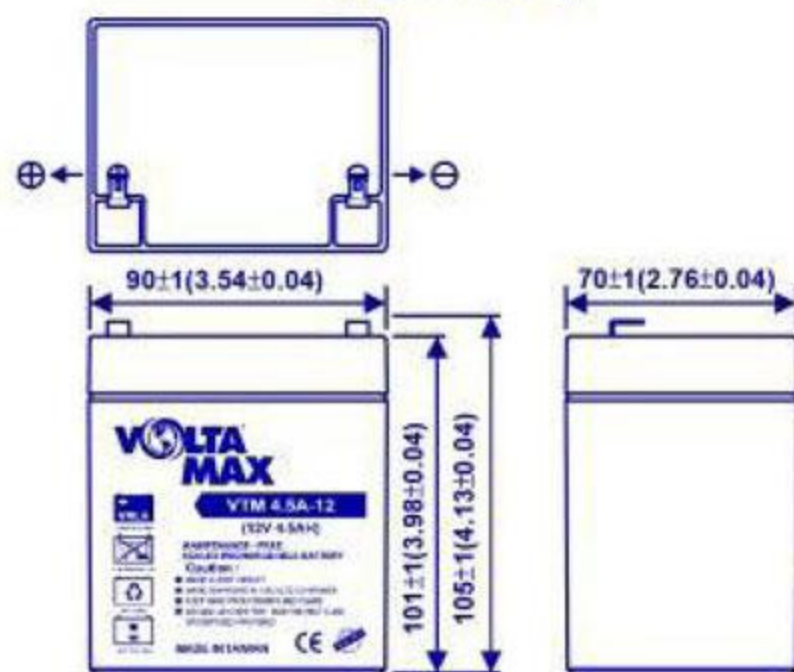
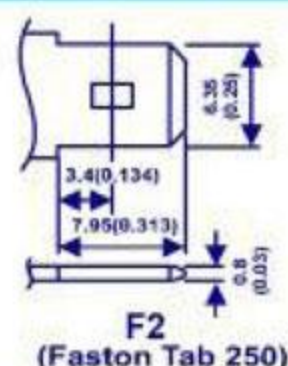
6 month 80%

Case Material ABS UL94 HB

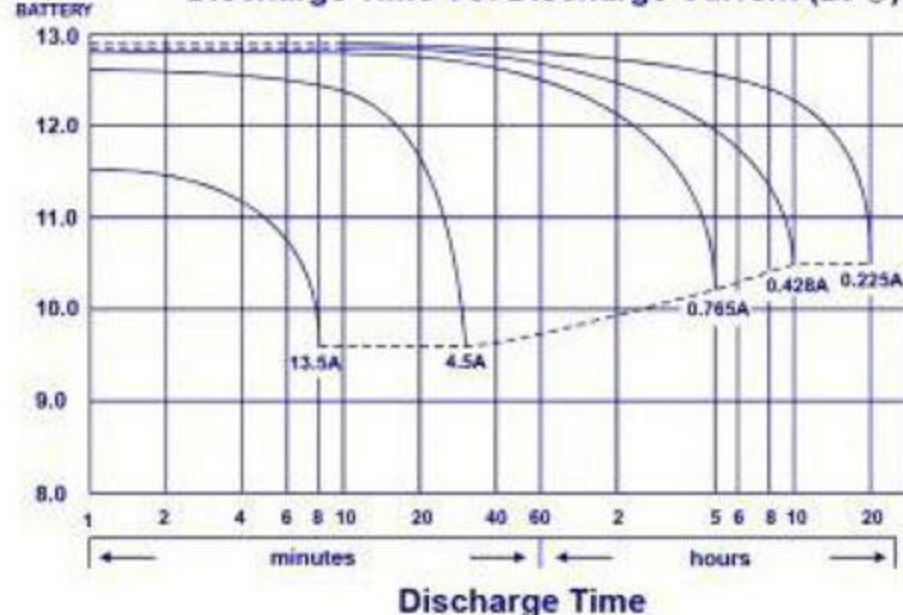
Terminal F2 (Faston Tab 250)

Dimensions

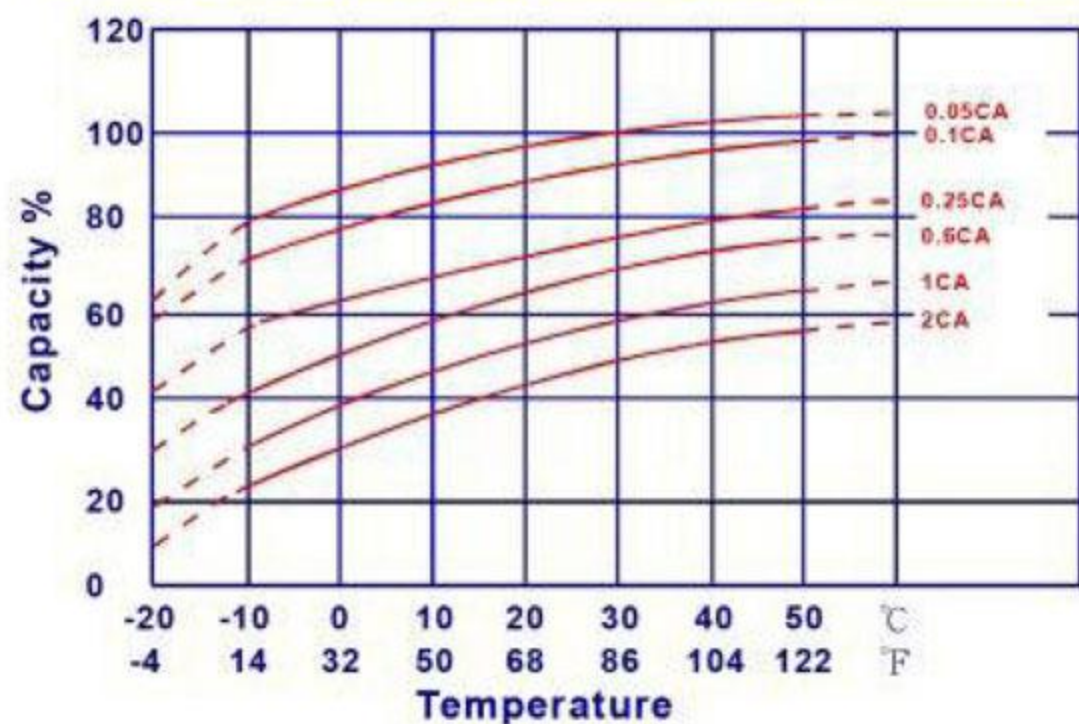
mm(inch)



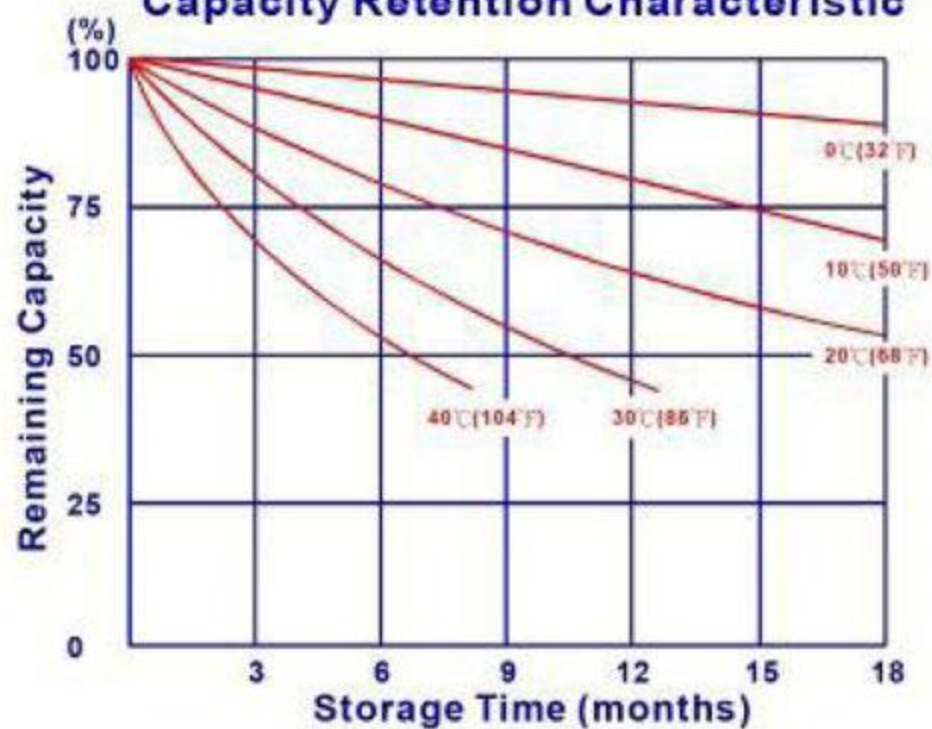
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



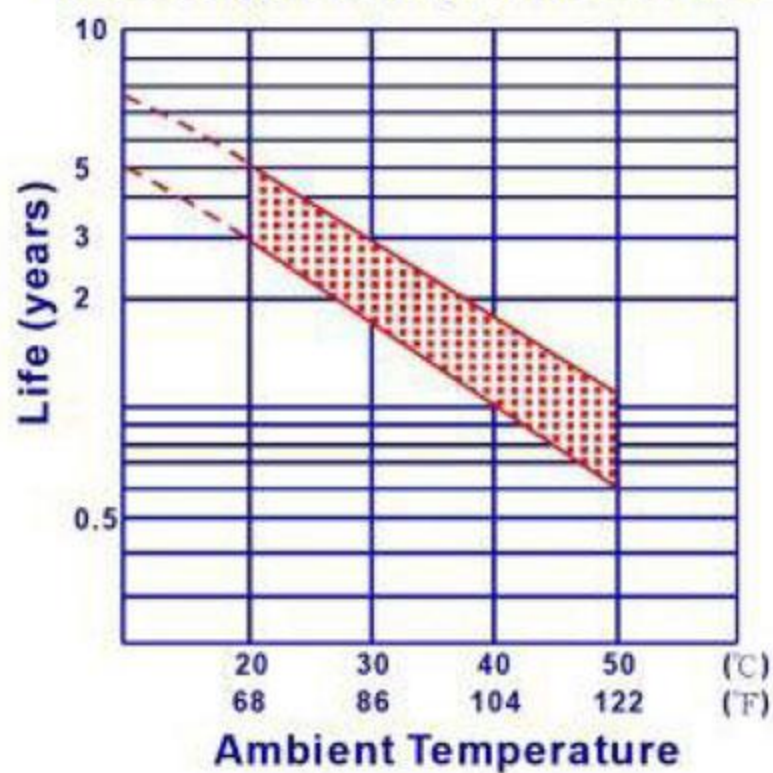
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

