

MC3.3-12 (12V3.3Ah)

Rechargeable VRLA Battery



FEATURES

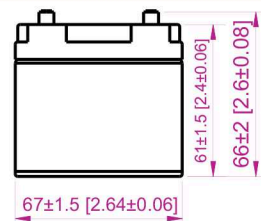
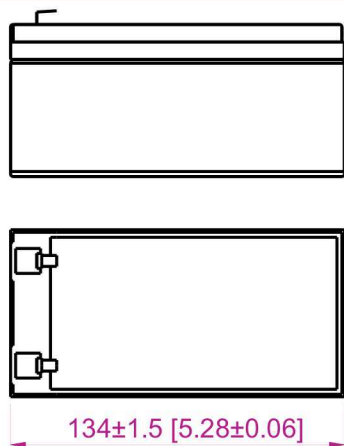
- AGM technology for efficient gas recombination and lower I.R.
- Individually tank-formated plates optimize uniformity of cell
- high performance alloy to secure corrosion-proof feature
- long service life, float or cyclic application
- Maintenance-free operation
- Sealed construction, no electrolyte leakage or spill
- Computer-aided design and manufacturing ensures quality products through control of process and standards

SPECIFICATION

Nominal Voltage	12V
Nominal Capacity	3.3Ah@20Hr-rate to 1.75V/cell
Approx. Weight	1.32Kg (2.91Lbs)
Internal Resistance	30mΩ(Fully Charged)@25°C
Self-Discharge	Average 3% of capacity declined per month@25°C
Nominal Operating Temp.	25±3°C (77±5°F)
Operating Temp. Range	Discharge: -20°C ~50°C (-4 ~122°F)
	Charge: -15~40°C (5 ~104°F)
	Storage: -20°C ~40°C (-4 ~104°F)
Max. Discharge Current	49A(5 sec.)
	40°C (104°F) 102%
Capacity Affected by Temp.	25°C (77°F) 100%
	0°C (32°F) 85%
	-15°C (5°F) 65%
Container Material	ABS(UL94-HB,UL94-V0 is optional)

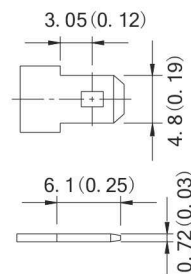
OUTER DIMENSION

- Length 134±1.5
- Width 67±1.5
- Height 61±1.5
- Total height 66±2.0



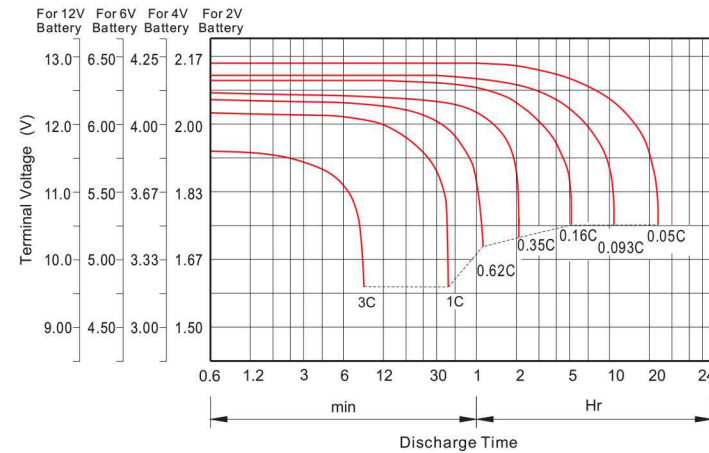
Terminal Type

- Terminal F0

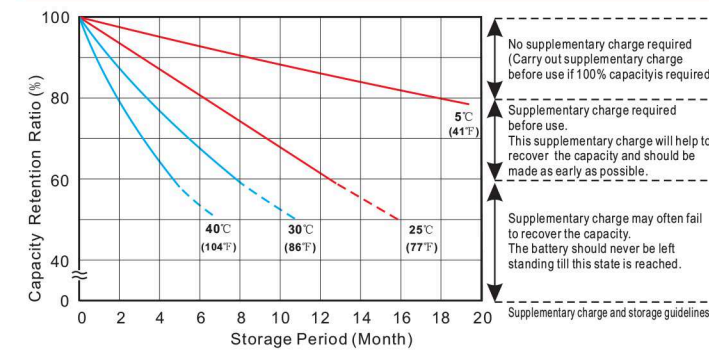


Unit: mm(inch)

Discharge Characteristics@25°C



Capacity Retention Characteristics



Charge Procedure

Application	Constant Voltage Charge(V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C (77°F)	2.425	2.40~2.45	0.3C
Standby Use	25°C (77°F)	2.275	2.25~2.30	

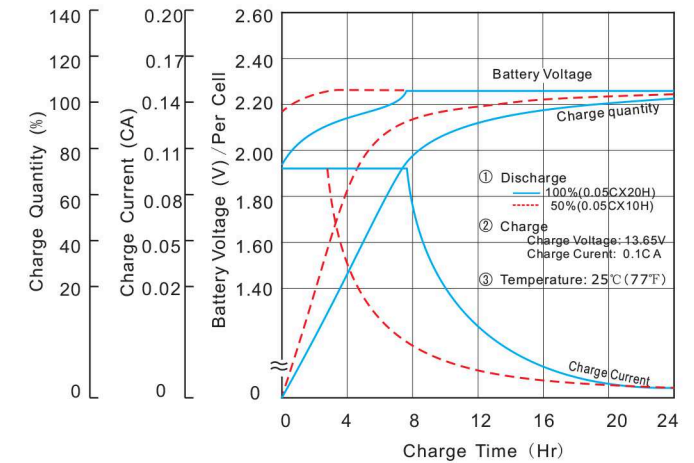
Note: Temp. Compensation Coefficient of Charge Voltage, Cycle use:-4mv/°C/cell, Standby Use:-3mv/°C/cell

Constant Current (CC,Unit:A)&Constant Power(CP, Unit:W)Discgarge Table at 25°C (77°F)

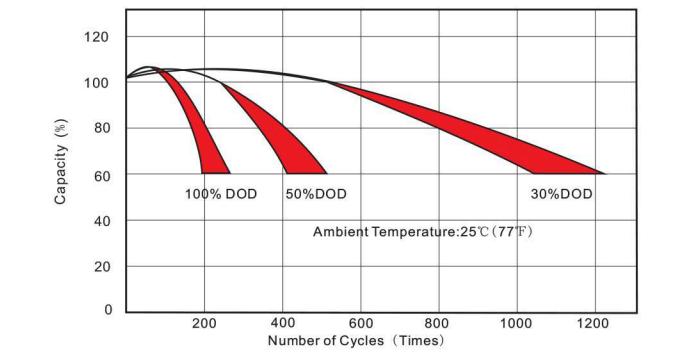
F.V. (V/cell) Model	Time	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
		1.60V	CC(A)										
	CP(W)												
1.70V	CC(A)												
	CP(W)												
1.75V	CC(A)												
	CP(W)												
1.80V	CC(A)												
	CP(W)												
1.85V	CC(A)												
	CP(W)												

Note: The above data are average values, and can be obtained with 3 charge/discharge cycles.

Charge Characteristics(Standby Use)



Cycle Service life



Discharge Current VS. Discharge Voltage

Final Discharge Voltage(V/cell)	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1C	(A)>1C