



MF12V7R-3A Sealed Maintenance Free Battery



Features

- Advanced sulfate-resistant technology.
- Advanced calcium lead alloy technology.
- Maintenance-free design.
- Factory activated, Ready to install and go!
- Absorbed Glass Mat (AGM) technology.

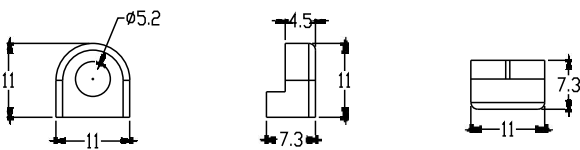
Performance Specifications

Nominal Voltage	-----	12 volts
Nominal Capacity 25°C (77°F)		
20-hr. (0.35A to 10.5 volts)	-----	7.56AH
10-hr. (0.7A to 10.5 volts)	-----	7AH
5-hr. (1.4A to 10.2 volts)	-----	5.7AH
1C. (7A to 9.6 volts)	-----	3.2AH
3C. (21A to 9.6 volts)	-----	2.5 AH

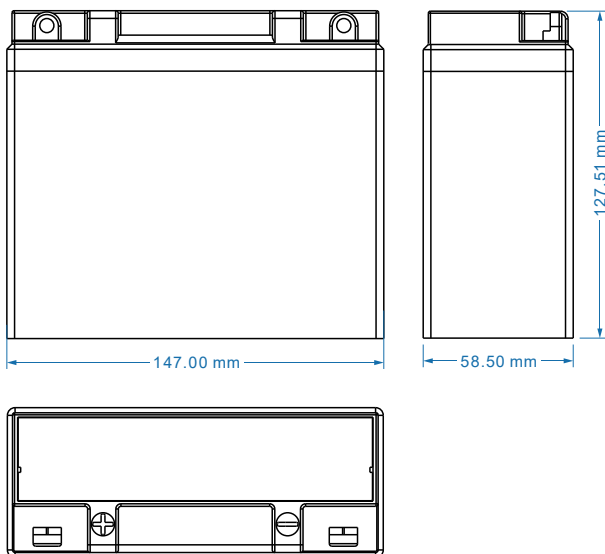
Approximate Weight	-----	5.29 lbs. (2.4kgs)
Cranking (by Tester)	-----	185Amperes
Cold Cranking (-18°C)	-----	100Amperes
Internal Resistance(at 1KHz)	-----	Approx. 15.8mΩ
Operating Temperature Range		
Discharge	-----	-22°F(-30°C) to 122°F(50°C)
Charge	-----	32°F(0°C) to 104°F(40°C)

Life Expectancy (Cycle Use)		
60% depth of discharge	-----	250 cycles
30% depth of discharge	-----	400 cycles
Shelf Life (% of normal capacity at 68°F(20°C).....SOC% ocv)		
1 months	-----	91% 12.78V
3 months	-----	89% 12.70V
6 months	-----	80% 12.5V
Warranty	-----	1 year
Case	-----	ABS

Terminal Dimensions: (in./mm)



Physical Dimensions: (in./mm)



Length:5.78in(147mm) Width:2.30in(58.5mm)
Height:5.02in(127.5mm)

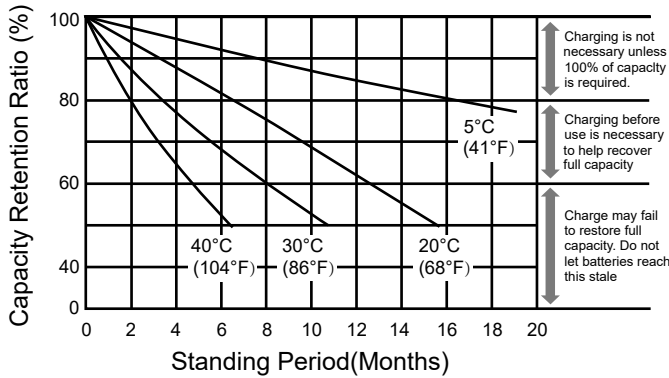
Tolerances are ±0.04 inches (±1mm) and ±0.08 inches (±2mm) for height.



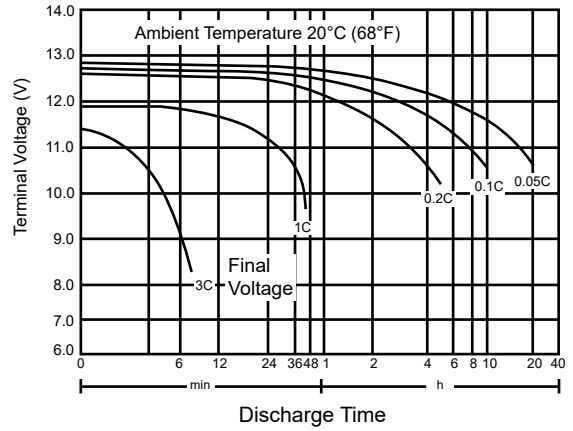
Screws and nuts



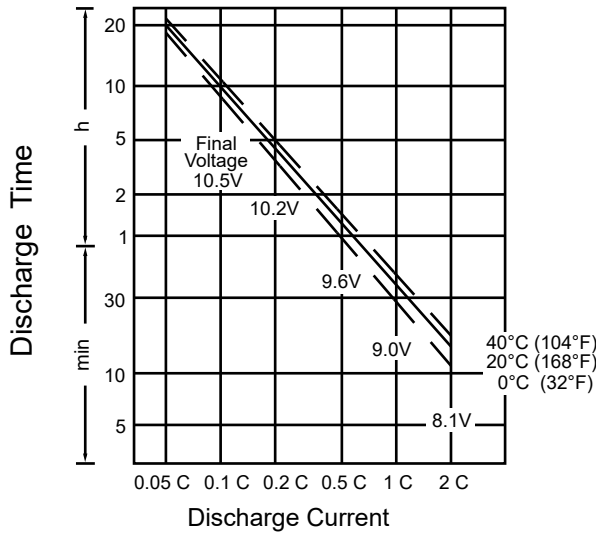
Shelf life & Storage



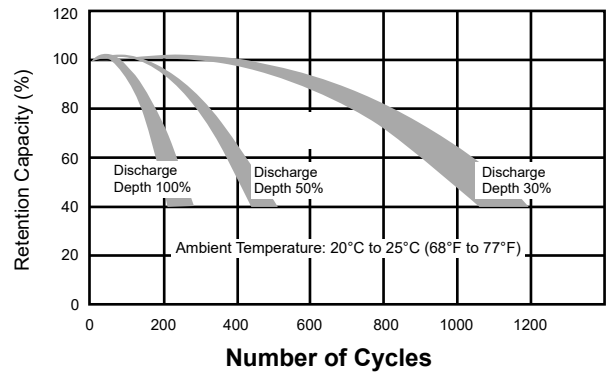
Discharge Characteristics



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



Charging

Cycle Applications: Limit initial current to 0.2C. Charge until battery voltage (under charge) reaches 14.8 to 15.0 volts at 68°F (20°C). Hold at 14.8 to 15.0 volts until current drops to under 50 mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

Note: Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

Further information:

Please contact our technical department for advice if you have difficulty or contact us at kaijie@kaijie.net

Can be used to replace:

12N7A-4A			