US AGM 2224

DATA SHEET

AGM Deep Cycle 6 -Volt

Application: Wherever Sealed, Leak Proof, Deep Cycle 6-volt batteries are needed.

Dimensions: 10.2" (260mm)L
7.09" (180mm)W
10.4" (264mm)H

Type: Sealed Non-Spillable Lead Acid (AGM)

Case material: ABS / Heat Sealed

US AGM 2224 SPECIFICATIONS

BCI Group Size	Model	1-hr Rate	2-hr Rate	5-hr Rate	6-hr Rate	10-hr Rate	20-hr Rate	48-hr Rate	72-hr Rate	100-hr Rate	Voltage	Standard Terminal Type	AMP HOURS (20 HR. RATE)	MINUTES @ 75 AMPS	MINUTES @ 56 AMPS	MINUTES @ 25 AMPS	Length	Width	Height	wet Weight Lbs (kg)
GC2	US AGM 2224	150	166	190	195	208	224	236	241	246	6	F14	224	135	188	490	10.2" (260)	7.09" (180)	10.4" (264)	69.4 (31.5)

CHARGING INSTRUCTIONS:

Nominal Charge Current (amps)	22
Max Charge Current (w/ temp. compensation)	45
Max Charge Voltage (temp. compensated)	7.4
Float/Maintenance Voltage (temp. compensated)	6.9
Temperature Compensation	-4 mV/cell/°C (-2 mV/cell/°F)

For automatic chargers, use settings compatible with AGM batteries

Do not charge at temperature corrected voltages above 7.5 volts (2.5 volts/cell).
Use of a voltage controlled charger is a requirement for warranty coverage.
For best cycle life, limit discharge to less than 50% of the battery's 20 hour capacity.

Deep cycle batteries need to be equalized periodically. Equalizing is an extended, low current charge performed after the normal charge cycle. This extra charge helps keep all cells in balance. Actively used batteries should be equalized once per month. Manually timed chargers should have the charge time extended approximately 3 hours. Automatically controlled chargers should be unplugged and reconnected after completing a charge.

All of our sealed AGM batteries are specifically manufactured for U.S. Battery under our guidelines assuring our customers they are being provided the highest quality AGM batteries available.

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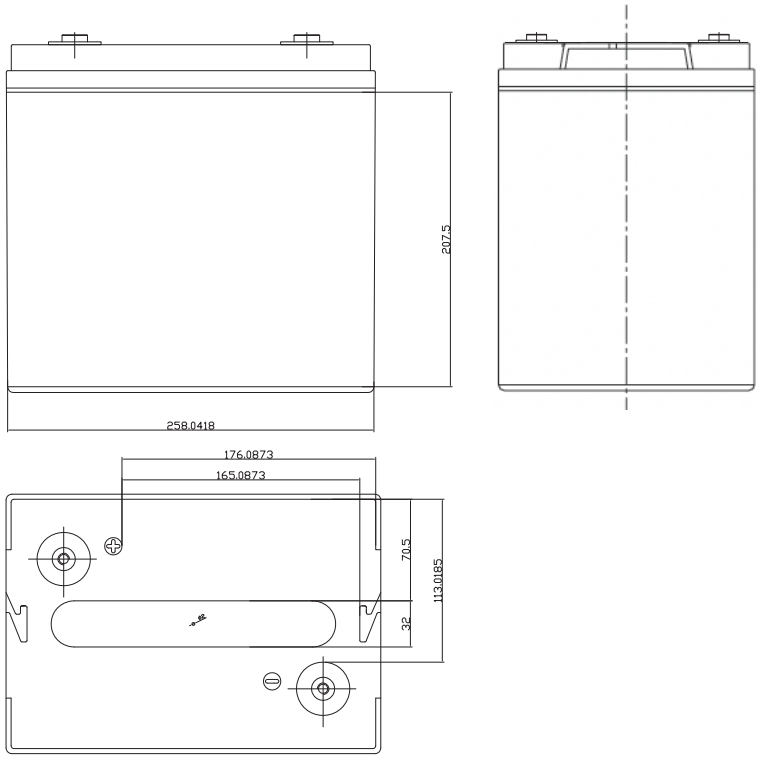
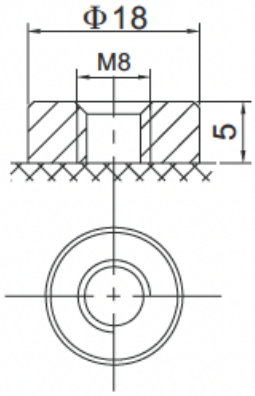
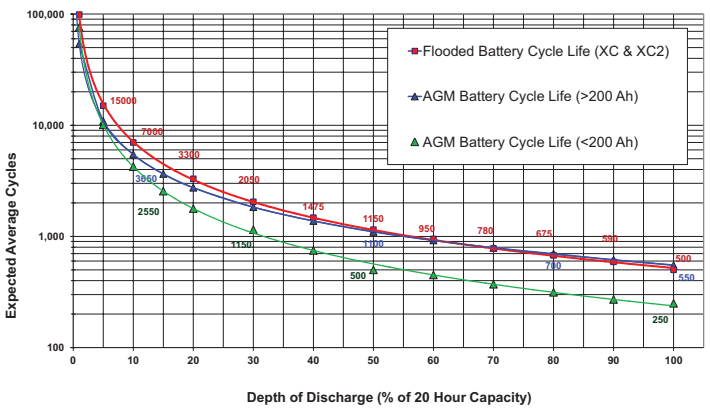
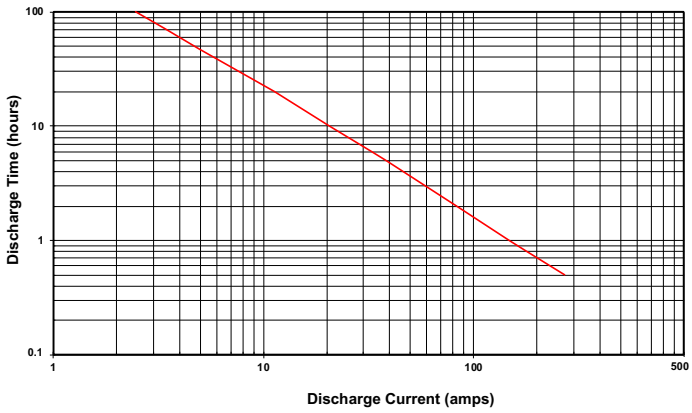




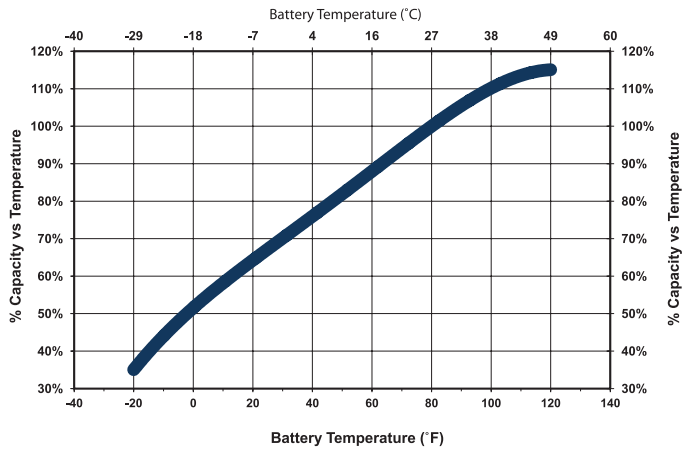
EXPECTED LIFE CYCLES VS. DOD (XC, XC2 & AGM)



US AGM 2224 DISCHARGE TIME VS CURRENT @80° F



BATTERY % CAPACITY VS TEMP



U.S. Battery Operating Temperature Guidelines

***For charging*, we recommend staying within 0°F to120°F (-18 to 49°C) to avoid charging frozen batteries at low temperature or going into thermal runaway at high temperature.**

***For discharging*, we recommend -20°F to 120°F (-29 to 49°C).**

Batteries discharged at temperatures below 32°F (0°C) should be recharged immediately to avoid freezing.

Batteries discharged at temperatures above 120°F (49°C) should be allowed to cool before recharging.

Extreme temperatures can substantially affect battery performance and charging. Cold reduces battery capacity and retards charging. Heat increases water usage and can result in overcharging. Very high temperatures can cause "thermal run-away" which may lead to an explosion or fire. If extreme temperature is an unavoidable part of an application, consult a battery/charger specialist about ways to deal with the problem.

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