



MODEL	31-AGM
VOLTAGE	12
MATERIAL	Polypropylene
DIMENSIONS	Inches (mm)
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required 🔊



12V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Туре	Voltage	Terminal Type ^G	Dimensions ^c Inches _(mm)		Weight Lbs. ¹ (kg)	
				Length	Width	Height ^F	
31	31-AGM	12	M8/DT	12.80 (325)	6.81 (173)	9.37 (238)	67 (30)

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity ^{&} Minutes		Capacity ⁸ Amp-Hours (Ah)			Energy kWh	Internal Resistance (m Ω)	Short Circuit Current (A)	
C.C.A. ^D @ 0°F (-18°C)	C.A. ^E @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	4.00	2555
600	720	177	-	82	92	100	111	1.33	4.80	2555

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)				
12V	24V	36V	48V	
20% of C ₂₀				
14.40	28.80	43.20	57.60	
13.50	27.00	40.50	54.00	
	12V 14.40	12V 24V 20% 14.40 28.80	12V 24V 36V 20% of C ₂₀ 14.40 28.80 43.20	

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

CHARGING TEMPERATURE COMPENSATION

Add	Subtract
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F

OPERATIONAL DATA

Operating Temperature	Self Discharge
-4°F to 122°F (-20°C to 50°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60%	Less than 3% per month depending on storage temperature conditions

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

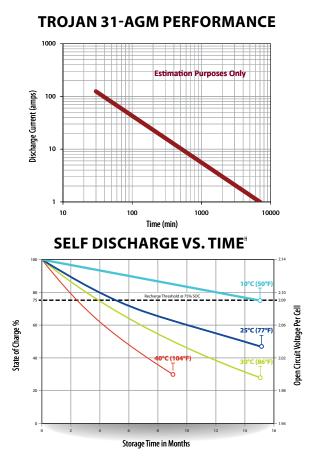
Percentage Charge	Cell	12 Volt
100	2.14	12.84
75	2.09	12.54
50	2.04	12.24
25	1.99	11.94
0	1.94	11.64



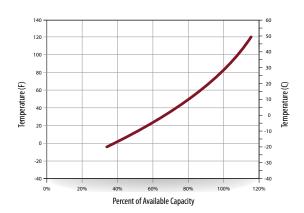




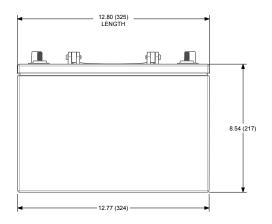


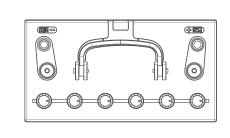


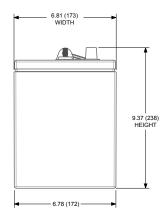
PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with DT)







TERMINAL CONFIGURATIONS

M8



Battery Height with Terminal in Inches (mm) 8.69 (221)

Torque Values: in-lb (Nm) Bolt: 85 - 90 (10 - 11)

Α. The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above

1.75 V/cell. Capacities are based on peak performance. В.

The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80°F (27°C) for the 20-Hour rate and 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing C.

minimum

D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

DT



Battery Height with Terminal in Inches (mm) 9.37 (238)

Reliant_AGM_31_061318

Torque Values: in-lb (Nm) Connected to Stud: 95 - 105 (11 - 12) Connected to AP: 50 - 70 (6 - 8)

Bolt 5/16" - 18

E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage above 1.2 V/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.
Fleight taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

Terminal images are representative only. A boost charge should be performed every 6 months when batteries are in storage G

G. H. I. Weight may vary.



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