

DATA SHEET

MOTIVE 31-AGM

DATA SHEET FOR WWW.AVTOALL.AZ

MODEL	31-AGM
VOLTAGE	12
CAPACITY	100Ah @ 20Hr
MATERIAL	Polypropylene
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required





12 VOLT

DATA SHEET FOR WWW.AVTOALL.AZ

BCI	MODEL NAME	TERMINAL TYPE ^G	DIMENSIONS [©] INCHES (mm)		WEIGHT I LBS. (kg)	HANDLES	INSTALLATION ORIENTATION	
			LENGTH	WIDTH	HEIGHT F	/		Horizontal
31	31-AGM	M8/DT	12.80 (325) 6.81 (173) 9.37 (238) 67 (30)	67 (30)	0) Plastic Handle	and Vertical		

ELECTRICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS

VOLTAGE	Cranking Performance		Capacity ^A Minutes		CAPACITY ^B AMP-HOURS (Ah)			1)	ENERGY (kWh)	INTERNAL RESISTANCE (m Ω)	SHORT CIRCUIT CURRENT (amps)
12	C.C.A. ^D @0°F	C.A. ^E @32°F	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	4.80	2555
12	600	720	177	-	82	92	100	111	1.33		

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)				
SYSTEM VOLTAGE	12V	24V	36V	48V
Maximum Charge Current (A)	20% of C ₂₀			
Absorption Voltage (2.40 V/cell)	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	13.50	27.00	40.50	54.00

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						

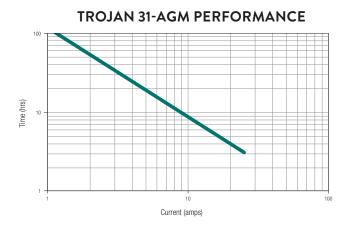
	SELF DISCHARGE
-4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions

RECYCLE RESPONSIBLY

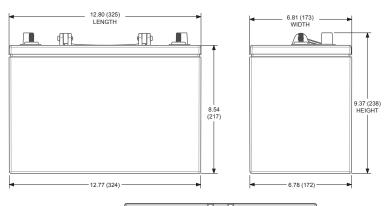


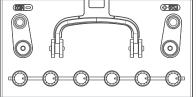
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

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

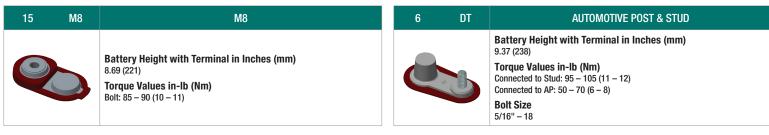


BATTERY DIMENSIONS (shown with DT)





TERMINAL CONFIGURATIONS⁶



A. 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

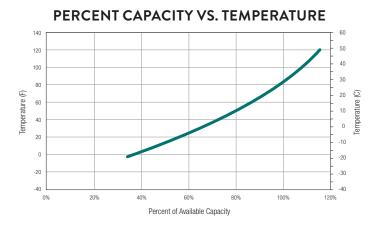
- The function of infinitions of an other strength of the streng В С
- C.C.A. (Cold Cranking Amps) the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell. D



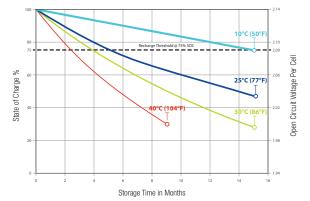


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Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.



SELF DISCHARGE VS. TIME[#]



- 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 Vice II this is sometimes referred to as manine cranking amps (a) young due to due to a manifer the document of seconds at 22 Well. This is sometimes referred to as manine cranking amps (a) 22 r or M (C.A. (a) 32 r.F. Height 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. F
- G.
- A boost charge should be performed every 6 months when batteries are in storage. Η.
- Weight may vary.



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31-AGM_DS_032919

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