

MOTIVE 31-AES

MODEL	31-AES
VOLTAGE	12
CAPACITY	102Ah @ 20Hr
MATERIAL	Polypropylene
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required



12 VOLT

PHYSICAL SPECIFICATIONS

	BCI	MODEL NAME	TERMINAL TYPE	DIMENSIONS ° INCHES (mm)			WEIGHT I LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
	29 31-AES		LENGTH	WIDTH	HEIGHT F			Horizontal	
		31-AES	M8/DT	12.80 (325)	6.81 (173)	9.37 (238)	69 (31)	69 (31)	Plastic Handle

ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PE	RFORMANCE	CAPACITY ^A MINUTES	CAPACITY ^B AMP-HOURS (Ah)		ENERGY (kWh)	INTERNAL RESISTANCE (m Ω)	SHORT CIRCUIT CURRENT (amps)		
10	C.C.A. ^D @0°F	C.A. ^e @32°F	@ 25 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	4.90	2555
12	657	788	180	82	-	102	-	-	4.80	

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
12V	24V	36V	48V		
50% of $C_{_{20}}$					
14.40	28.80	43.20	57.60		
13.50	27.00	40.50	54.00		
	12V 14.40	12∨ 24∨ 50% 14.40 28.80	12V 24V 36V 50% 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		

-40°F to 140°F (-40°C to +60°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

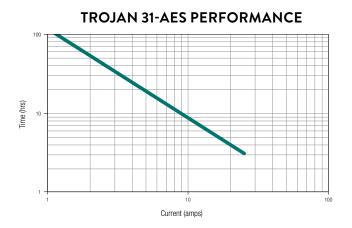


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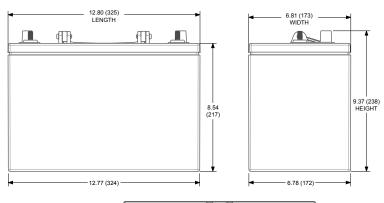
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

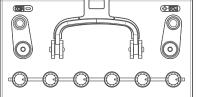
PERCENTAGE CHARGE	CELL	12 VOLT
100	2.14	12.84
75	2.09	12.54
50	2.04	12.24
25	1.99	11.94
0	1.94	11.64

The right battery GACELL A/S - Sletten 17 - DK 7500 Holstebro - 961 02 961

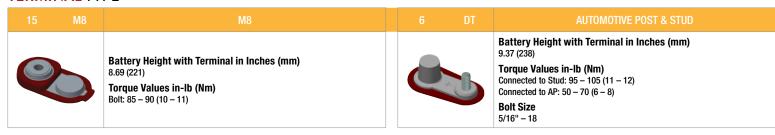


BATTERY DIMENSIONS (shown with DT)





TERMINAL TYPE^G



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 number of minutes a state y can derive when discharged at a constant rate at 60 °F (27 °C) and maintain a voltage above 1.75 Vicell. Capacities are based on peak performance. В

- С
- Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum. 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

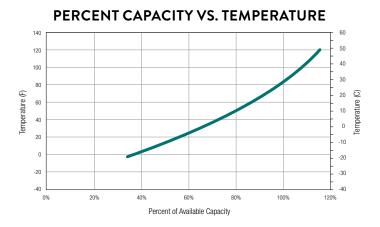
TROJAN



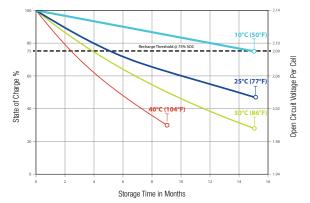


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Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.



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

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Batteries in storage should be charged when they decline to 75% State of Charge (SOC).

Weight may vary.

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