

MOTIVE 24-AES

MODEL 24-AES

VOLTAGE 12

CAPACITY 76Ah @ 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 H LBS. (kg)	HANDLES	INSTALLATION ORIENTATION	
		LENGTH	WIDTH	HEIGHT F		·- ·- ·-	Horizontal	
24	24-AES	6	10.77 (274)	6.84 (174)	8.62 (219)	54 (24)	Plastic Strap	and Vertical

ELECTRICAL SPECIFICATIONS

VOLTAGE	OLTAGE CAPACITY A MINUTES		CRANKING PERFORMANCE		CAPACITY ^B AMP-HOURS (Ah)			ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
10	@ 25 Amps	C.C.A. ^D @0°F	C.A. ^E @32°F	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
12	137	450	540	67	70	76	84	1.01	-	_

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	12V	24V	36V	48V	
Maximum Charge Current (A)	50% 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

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



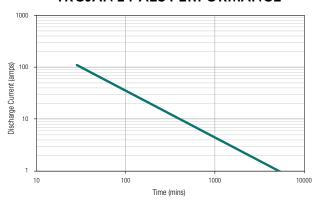




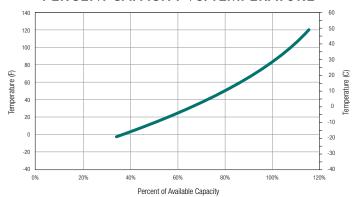
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

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

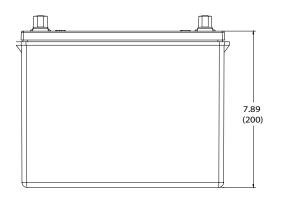
TROJAN 24-AES PERFORMANCE

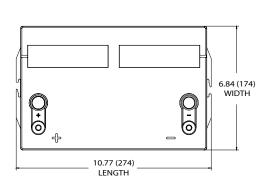


PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with DT)







TERMINAL TYPE^G

Terminal Height Inches (mm) Torque Values in-lb (Nm) Stud: 95 -105 (11 - 12) AP: 50 - 70 (6 - 8) Bolt 5/16

- 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 national of minutes a sate of year deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 Vicell. Capacities are based on peak performance.

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

 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.
- 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.

 F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

 G. Terminal Images are representative only.

















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

