

MOTIVE J305-AES

MODEL J305-AES

VOLTAGE 6

CAPACITY 279Ah @ 20Hr MATERIAL Polypropylene

BATTERY VRLA AGM / Non-Spillable / Maintenance-Free

COLOR Maroon

WATERING No Watering Required





6 VOLT

PHYSICAL SPECIFICATIONS

BCI		TERMINAL TYPE	DIMENSIONS © INCHES (mm)			WEIGHT LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
	J305-AES	M8/DT/LT	LENGTH	WIDTH	HEIGHTF	404 (45)	Braided Rope	Horizontal and Vertical
902			11.66 (296)	6.94 (176)	14.09 (358)	101 (45)		

ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PERFORMANCE		CAPACITY A MINUTES		CAPACITY ^B AMP-HOURS (Ah)				ENERGY (kWh) INTERNAL RESISTANCE (mΩ)		SHORT CIRCUIT CURRENT (amps)	
	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	17	0000	
В	_	_	597	161	228	249	279	320	1.92	1./	3600	

CHARGING INSTRUCTIONS

R VOLTAGE S						
6V	12V	24V	36V	48V		
50% of C ₂₀						
7.20	14.40	28.80	43.20	57.60		
6.75	13.50	27.00	40.50	54.00		
	6V 7.20	6V 12V 7.20 14.40	50% of C ₂₀ 7.20 14.40 28.80	6V 12V 24V 36V 50% of C ₂₀ 7.20 14.40 28.80 43.20		

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 b 0.0028 volt per cell for every 1°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



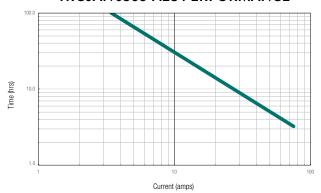




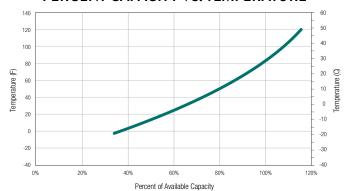
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	6 VOLT
100	2.14	6.42
75	2.09	6.27
50	2.04	6.12
25	1.99	5.97
0	1.94	5.82

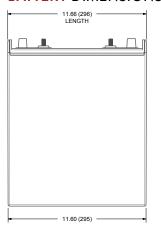
TROJAN J305-AES PERFORMANCE

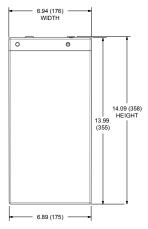


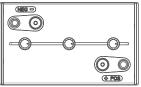
PERCENT CAPACITY VS. TEMPERATURE



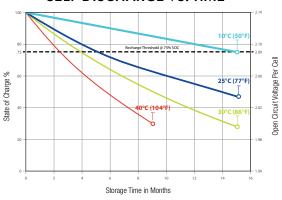
BATTERY DIMENSIONS (shown with DT)



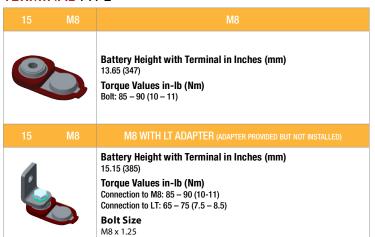




SELF DISCHARGE VS. TIME^H



TERMINAL TYPE



Battery Height with Terminal in Inches (mm) 14.09 (358) Torque Values in-lb (Nm) Connected to Stud: 95 - 105 (11 - 12) Connected to AP: 50 - 70 (6 - 8) **Bolt Size** 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 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 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 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.
- 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 Vocil. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°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.

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













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

