

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

ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PERFORMANCE		CAPACITY † MINUTES		CAPACITY † AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
	C.C.A. † @0°F	C.A. † @32°F	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
6										1.7	3600
	-	-	597	161	228	249	279	320	1.92		

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Maximum Charge Current (A)	50% of C ₂₀				
Absorption Voltage (2.40 V/cell)	7.20	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	6.75	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

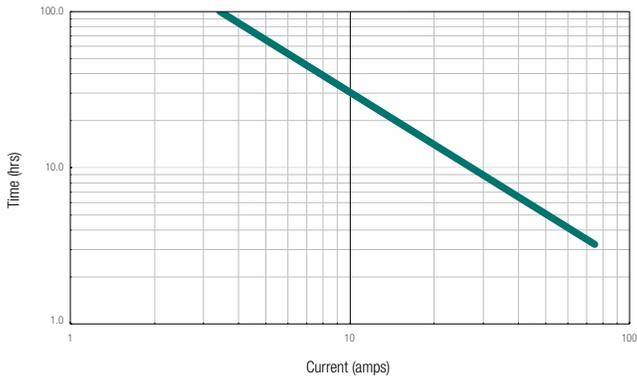
RECYCLE RESPONSIBLY



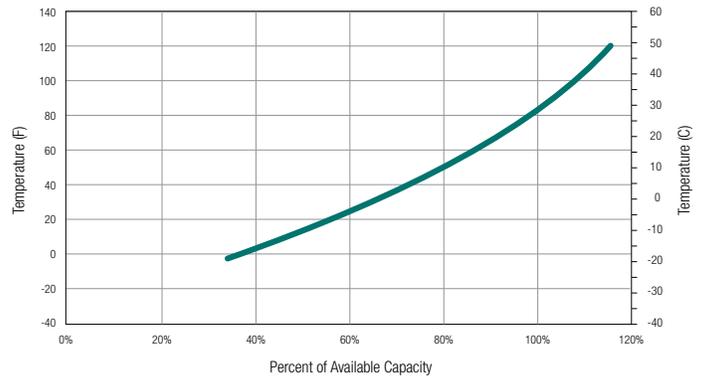
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	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

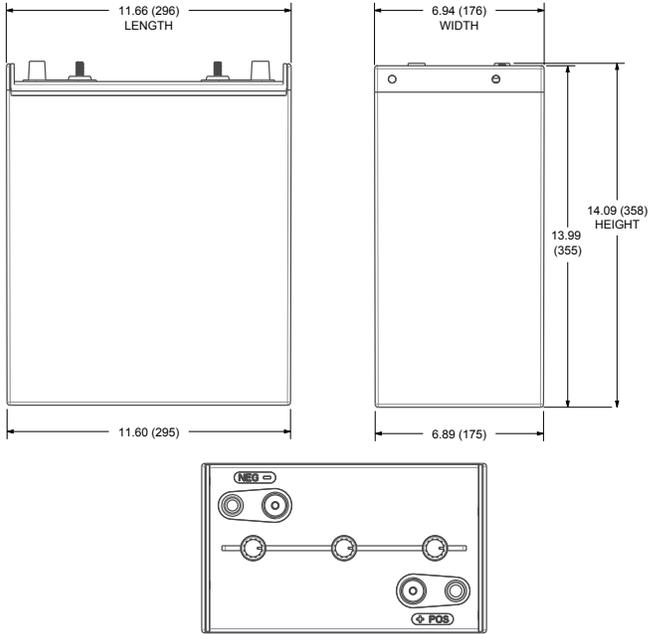
TROJAN J305-AES PERFORMANCE



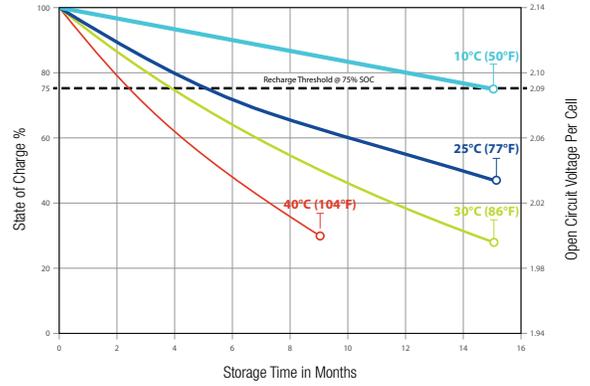
PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with DT)



SELF DISCHARGE VS. TIME^H



TERMINAL TYPE^G

15	M8	M8
		Battery Height with Terminal in Inches (mm) 13.65 (347) Torque Values in-lb (Nm) Bolt: 85 – 90 (10 – 11)
15	M8	M8 WITH LT ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)
		Battery Height with Terminal in Inches (mm) 15.15 (385) Torque Values in-lb (Nm) Connection to M8: 85 – 90 (10-11) Connection to LT: 65 – 75 (7.5 – 8.5) Bolt Size M8 x 1.25

6	DT	AUTOMOTIVE POST & STUD
		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"



AUTHORIZED DISTRIBUTOR

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