TROJAN BATTERY COMPANY

DATA SHEET

MOTIVE J305H-AC

MODEL **J305H-AC with Bayonet Cap**

VOLTAGE **6**

MATERIAL **Polypropylene**

DIMENSIONS **Inches (mm)**

BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**

COLOR **Maroon**

WATERING **Single-Point Watering Kit**

MADE IN THE USA

WITH T2 TECHNOLOGY

*Polyon Case

6 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE [G]	DIMENSIONS [C] INCHES (mm)			WEIGHT [H] LBS. (kg)
					LENGTH	WIDTH	HEIGHT [F]	
902	J305H-AC*	6	3	6	11.66 (296)	6.94 (176)	14.42 (366)	98 (45)

ELECTRICAL SPECIFICATIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Bulk Charge	7.41	14.82	29.64	44.46	59.28
Float Charge	6.75	13.50	27.00	40.50	54.00
Equalize Charge	8.10	16.20	32.40	48.60	64.80

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.

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 (-18°C)	C.A.[E] @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	781	215	295	331	360	400	2.40	—	—

CHARGING INSTRUCTIONS

CHARGING TEMPERATURE COMPENSATION

OPERATIONAL DATA

OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.

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

RECYCLE RESPONSIBLY

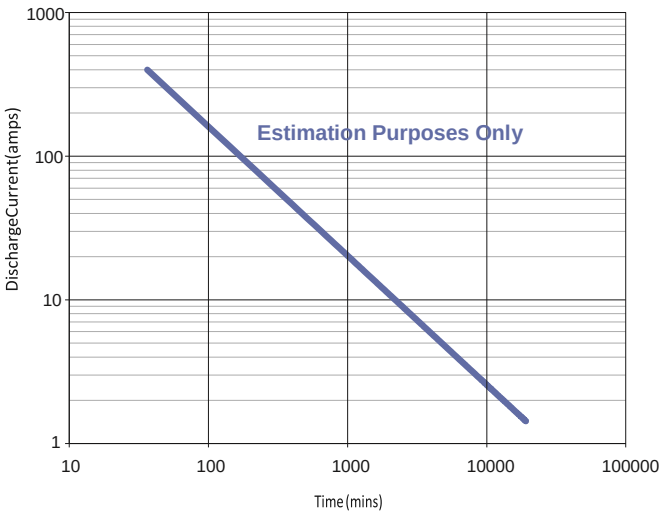
99% RECYCLABLE

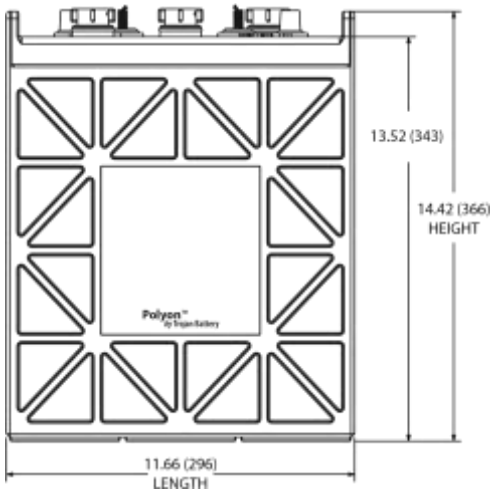
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

6V Flooded

PERCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	6 VOLT
100	1.277	2.122	6.37
90	1.258	2.103	6.31
80	1.238	2.083	6.25
70	1.217	2.062	6.19
60	1.195	2.040	6.12
50	1.172	2.017	6.05
40	1.148	1.993	5.98
30	1.124	1.969	5.91
20	1.098	1.943	5.83
10	1.073	1.918	5.75

TROJAN J305H-AC PERFORMANCE





BATTERY DIMENSIONS (shown with DT)

TERMINAL CONFIGURATIONS[G]

6	DT	AUTOMOTIVE POST & STUD TERMINAL

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.
B. 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.
C. 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 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.
H. Weight may vary.

Battery Council International

TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2015=

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

TROJAN BATTERY COMPANY

800.423.6569 / +1.562.236.3000 / trojanbattery.com

Terminal Height Inches (mm)
0.79 (20)

Torque Values in-lb (Nm)
Stud: 95 – 105 (11 – 12) / AP: 50 - 70 (6 - 8) Bolt
5/16”

PERCENT CAPACITY VS. TEMPERATURE