

**MODEL:** J305P-AC with Bayonet Cap

**VOLTAGE:** 6

**DIMENSIONS:** Inches (mm)

**BATTERY:** Flooded/wet lead-acid battery

**COLOR:** Maroon (case/cover)

**MATERIAL:** Polypropylene

**WATERING SYSTEM:** Single-Point Watering Kit



## PRODUCT SPECIFICATIONS

| BCI GROUP SIZE                                  | TYPE      | CAPACITY <sup>A</sup> Minutes |          | CAPACITY <sup>B</sup> Amp-Hours (AH) |            |            |             | ENERGY (kWh) | TERMINAL Type <sup>E</sup> | DIMENSIONS <sup>C</sup> Inches (mm) |            |                     | WEIGHT lbs. (kg) |
|-------------------------------------------------|-----------|-------------------------------|----------|--------------------------------------|------------|------------|-------------|--------------|----------------------------|-------------------------------------|------------|---------------------|------------------|
|                                                 |           | @25 Amps                      | @75 Amps | 5-Hr Rate                            | 10-Hr Rate | 20-Hr Rate | 100-Hr Rate | 100-Hr Rate  |                            | Length                              | Width      | Height <sup>D</sup> |                  |
| 6 VOLT DEEP CYCLE BATTERY - with T2 TECHNOLOGY™ |           |                               |          |                                      |            |            |             |              |                            |                                     |            |                     |                  |
| 902                                             | J305P-AC* | 711                           | 195      | 271                                  | 304        | 330        | 367         | 2.20         | 6                          | 11.66 (296)                         | 6.94 (176) | 14.42 (366)         | 96 (44)          |

**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 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

**C.** Dimensions are based on nominal size. Dimensions may vary depending on type of handle or terminal.

**D.** Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

**E.** Terminal images are representative only.

Trojan's battery testing procedures adhere to both BCI and IEC test standards.

## CHARGING INSTRUCTIONS

### CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)

| System Voltage    | 6V   | 12V  | 24V  | 36V  | 48V  |
|-------------------|------|------|------|------|------|
| Absorption Charge | 7.40 | 14.8 | 29.6 | 44.4 | 59.2 |
| Float Charge      | 6.60 | 13.2 | 26.4 | 39.6 | 52.8 |
| Equalize Charge   | 7.75 | 15.5 | 31.0 | 46.5 | 62.0 |

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

.028 VPC for every 10°F (5.55°C) above or below 77°F (25°C) (add .028 VPC for every 10°F (5.55°C) below 77°F and subtract .028 VPC for every 10°C above 77°F).

## 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. |

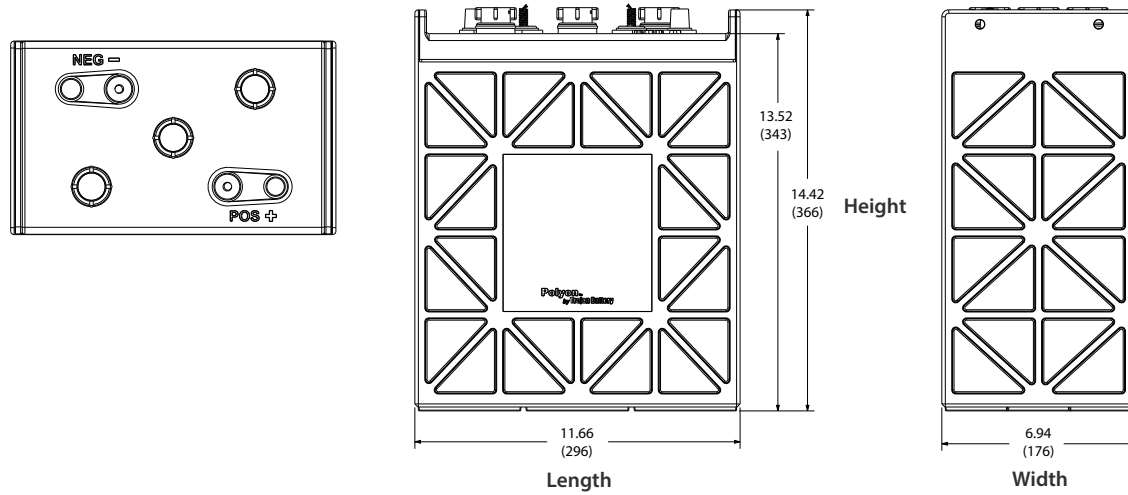
## TERMINAL CONFIGURATIONS

| 6                                                                                                                             | DT | Automotive Post & Stud Terminal |
|-------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------|
|                                          |    |                                 |
| <b>Terminal Height Inches (mm)</b><br>.79 (20)                                                                                |    |                                 |
| <b>Torque Values in-lb (Nm)</b><br><b>Bolt: 95 – 105 (11 – 12)</b><br><b>AP: 50 – 70 (6 – 8)</b><br><b>Bolt Size</b><br>5/16" |    |                                 |

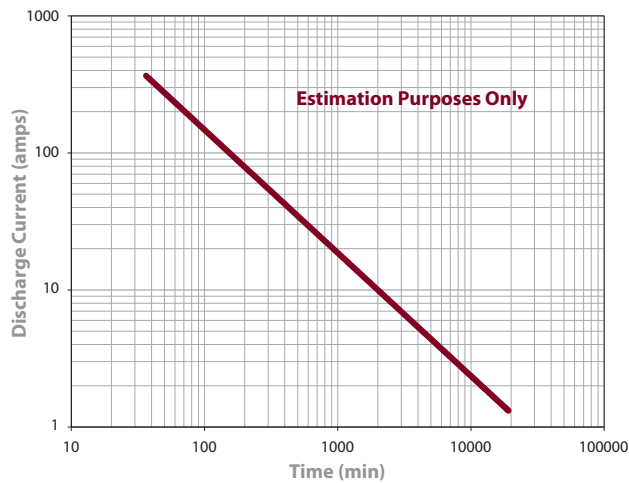
\* Polyon™ Case



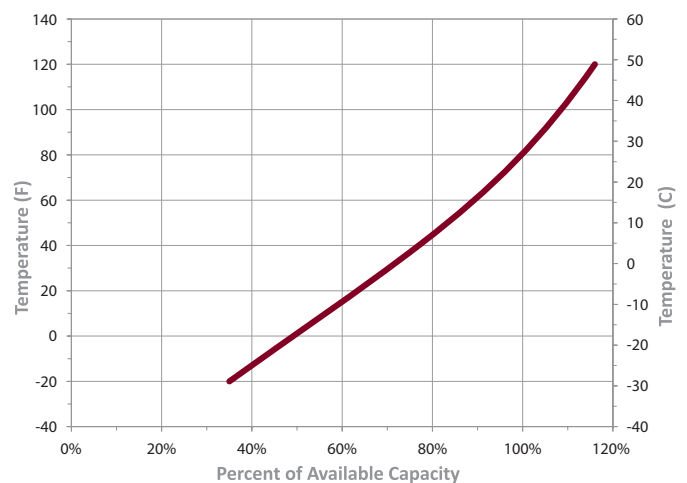
## BATTERY DIMENSIONS (shown with DT)



## TROJAN J305P-AC PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



**TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV**  
**ISO 9001:2008**



Trojan batteries are available worldwide through Trojan's Master Distributor Network. We offer outstanding technical support, provided by full-time application engineers.

**For a Trojan Master Distributor near you, call 800.423.6569 or + 1.562.236.3000 or visit [www.trojanbattery.com](http://www.trojanbattery.com)**

12380 Clark Street, Santa Fe Springs, CA 90670 • USA