

MODEL **L16H-AC with Bayonet Cap**  
 VOLTAGE **6**  
 MATERIAL **Polypropylene**  
 DIMENSIONS **Inches (mm)**  
 BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**  
 COLOR **Maroon**  
 WATERING **HydroLink™ Watering System**



**6V**



\*Polyon™ Case

**PRODUCT + PHYSICAL SPECIFICATIONS**

| BCI Group Size | Type     | Voltage | Cell(s) | Terminal Type <sup>6</sup> | Dimensions <sup>4</sup> Inches (mm) |            |                     | Weight Lbs. (kg) |
|----------------|----------|---------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
|                |          |         |         |                            | Length                              | Width      | Height <sup>F</sup> |                  |
| 903            | L16H-AC* | 6       | 3       | 6                          | 11.66 (296)                         | 6.94 (176) | 16.74 (425)         | 125 (57)         |

**ELECTRICAL SPECIFICATIONS**

| Cranking Performance              |                                | Capacity <sup>A</sup> Minutes |           | Capacity <sup>B</sup> Amp-Hours (AH) |       |       |        | Energy (kWh) | Internal Resistance (mΩ) | Short Circuit Current (amps) |
|-----------------------------------|--------------------------------|-------------------------------|-----------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
| C.C.A. <sup>D</sup> @ 0°F (-18°C) | C.A. <sup>E</sup> @ 32°F (0°C) | @ 25 Amps                     | @ 75 Amps | 5-Hr                                 | 10-Hr | 20-Hr | 100-Hr | 100-Hr       |                          |                              |
| —                                 | —                              | 935                           | 245       | 357                                  | 400   | 435   | 483    | 2.89         | —                        | —                            |

**CHARGING INSTRUCTIONS**

| System Voltage  | Charger Voltage Settings (at 77°F/25°C) |       |       |       |       |
|-----------------|---|-------|-------|-------|-------|
|                 | 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.

**CHARGING TEMPERATURE COMPENSATION**

| Add   | Subtract  |
|---|---|
| 0.005 volt per cell for every 1°C below 25°C<br>0.0028 volt per cell for every 1°F below 77°F | 0.005 volt per cell for every 1°C above 25°C<br>0.0028 volt per cell for every 1°F above 77°F |

**OPERATIONAL DATA**

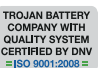
| Operating Temperature   | Self Discharge   |
|---|--|
| -4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%. | 5 – 15% per month depending on storage temperature conditions. |

**STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE**


| 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   |



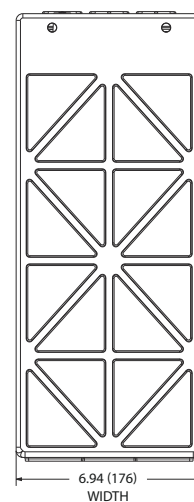
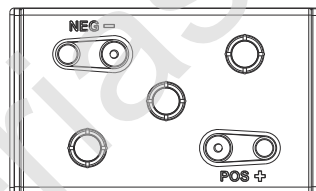
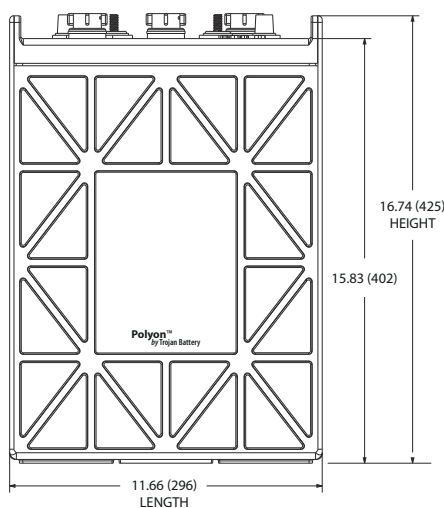
Designed in compliance with applicable BCI, DIN, BS and IEC standards.  
 Tested in compliance to BCI and IEC standards.



## TERMINAL CONFIGURATIONS<sup>6</sup>

| 6   | DT | Automotive Post & Stud Terminal |
|---|----|---------------------------------|
|  |    |                                 |
| <b>Terminal Height Inches (mm)</b><br>0.79 (20)                                   |    |                                 |
| <b>Torque Values in-lb (Nm)</b><br>Stud: 95 – 105 (11 – 12) / AP: 50 – 70 (6 – 8) |    |                                 |
| <b>Bolt Size</b><br>5/16"   |    |                                 |

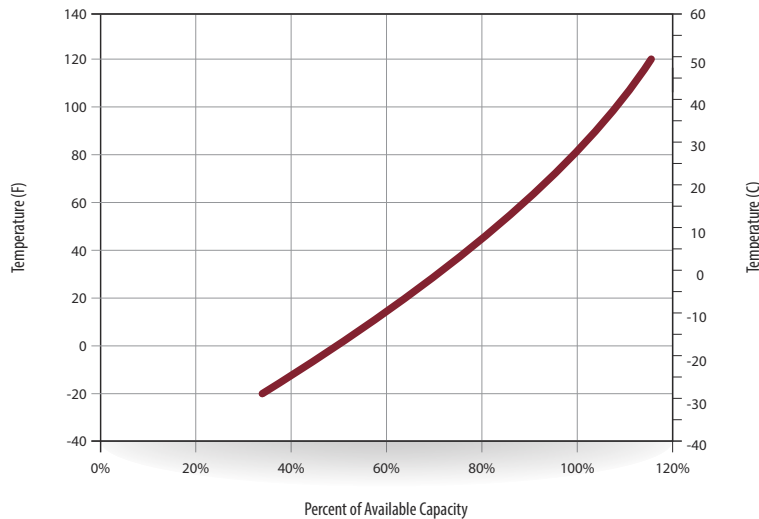
## BATTERY DIMENSIONS (shown with DT)



## TROJAN L16H-AC PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



- 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.