

MODEL T-605 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**

**PRODUCT + PHYSICAL SPECIFICATIONS**

| BCI Group Size | Type  | Voltage | Cell(s) | Terminal Type <sup>G</sup> | Dimensions <sup>C</sup> Inches (mm) |            |                     | Weight Lbs. (kg) |
|----------------|-------|---------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
|                |       |         |         |                            | Length                              | Width      | Height <sup>F</sup> |                  |
| GC2            | T-605 | 6       | 3       | 1, 2, 3                    | 10.30 (262)                         | 7.13 (181) | 11.15 (283)         | 58 (26)          |

**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       |                          |                              |
| —                                 | —                              | 383                           | 105       | 175                                  | 193   | 210   | 232    | 1.39         | —                        | —                            |

**CHARGING INSTRUCTIONS**

| 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.

**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.

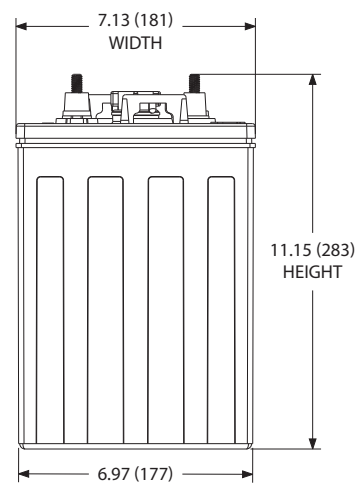
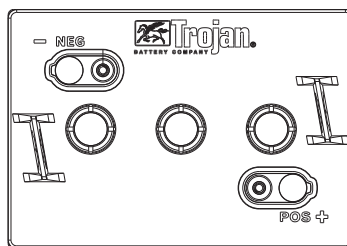
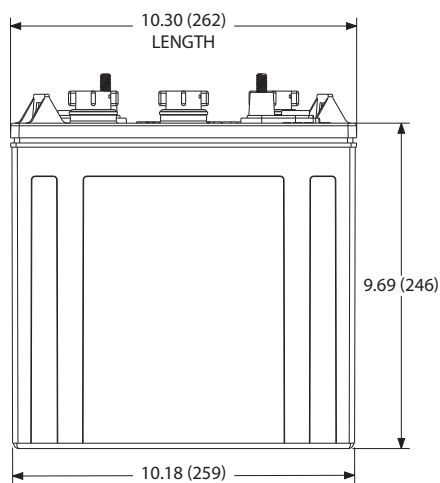


## TERMINAL CONFIGURATIONS<sup>6</sup>

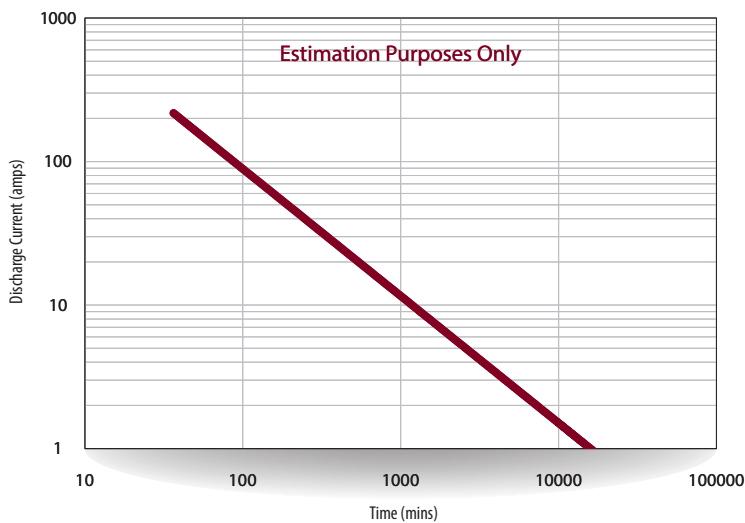
| 1 | ELPT | Embedded Low Profile Terminal  |
|---|------|--|
|   |      | <p><b>Terminal Height Inches (mm)</b><br/>1.22 (31)</p> <p><b>Torque Values in-lb (Nm)</b><br/>95 – 105 (11 – 12)</p> <p><b>Bolt</b><br/>5/16"</p> |
| 2 | EHPT | Embedded High Profile Terminal   |
|   |      | <p><b>Terminal Height Inches (mm)</b><br/>1.50 (38)</p> <p><b>Torque Values in-lb (Nm)</b><br/>95 – 105 (11 – 12)</p> <p><b>Bolt</b><br/>5/16"</p> |

| 3 | EAPT | Embedded Automotive Post Terminal  |
|---|------|--|
|   |      | <p><b>Terminal Height Inches (mm)</b><br/>0.95 (24)</p> <p><b>Torque Values in-lb (Nm)</b><br/>50 – 70 (5.6 – 7.9)</p> |

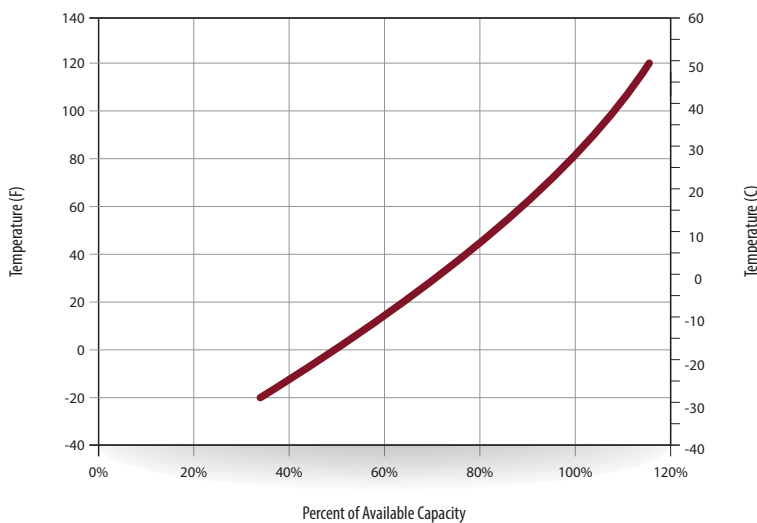
## BATTERY DIMENSIONS (shown with EHPT)



## TROJAN T-605 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 1.75V/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 1.2V/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 1.2V/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.