

**MODEL** J250G with Bayonet Cap  
**VOLTAGE** 6  
**MATERIAL** Polypropylene  
**DIMENSIONS** Inches (mm)  
**BATTERY** Deep-Cycle Flooded/Wet Lead-Acid Battery  
**COLOR** Maroon  
**WATERING** HydroLink™ Watering System



## PRODUCT + PHYSICAL SPECIFICATIONS

| BCI Group Size | Type  | Terminal Type <sup>6</sup> | Dimensions <sup>c</sup> Inches (mm) |            |                     | Weight Lbs. (kg) |
|----------------|-------|----------------------------|-------------------------------------|------------|---------------------|------------------|
|                |       |                            | Length                              | Width      | Height <sup>f</sup> |                  |
| 901            | J250G | 7                          | 12.17 (309)                         | 6.85 (174) | 11.43 (290)         | 67 (30)          |

## 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       |                          |                              |
| —                                 | —                              | 475                           | 130       | 195                                  | 216   | 235   | 261    | 1.57         | —                        | —                            |

## CHARGING INSTRUCTIONS

| Charger Voltage Settings (at 77°F/25°C) |     |      |      |      |      |
|---|-----|------|------|------|------|
| System Voltage                          | 6V  | 12V  | 24V  | 36V  | 48V  |
| Bulk Charge                             | 7.4 | 14.8 | 29.6 | 44.5 | 59.3 |
| Float Charge                            | 6.7 | 13.5 | 27.0 | 40.5 | 54.0 |
| Equalize Charge                         | 8.1 | 16.2 | 32.4 | 48.6 | 64.8 |

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. |

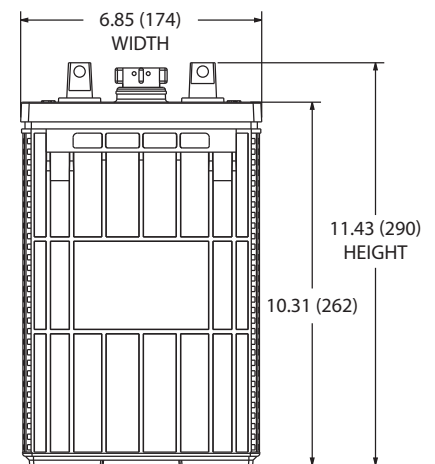
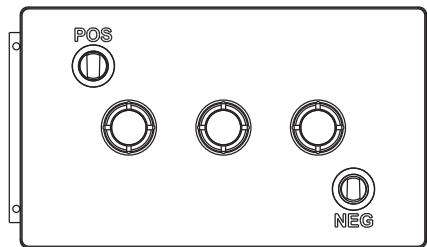
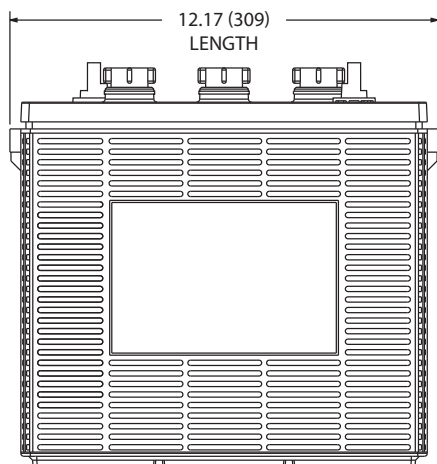
## STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

| 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   |

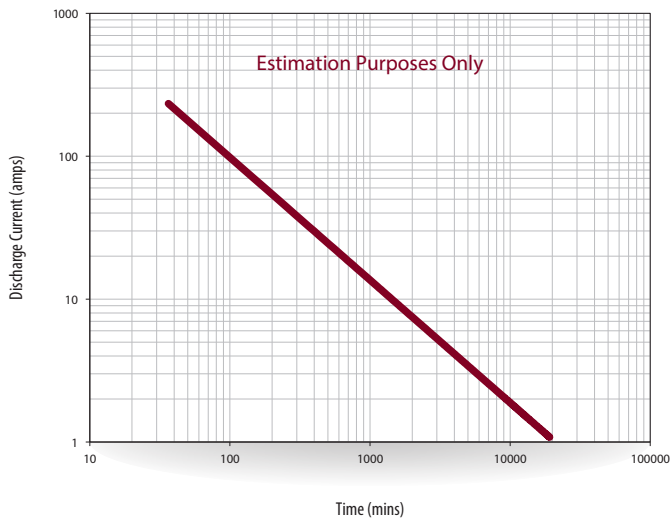
## TERMINAL CONFIGURATIONS<sup>6</sup>

| 7   | UT | Universal Terminal |
|---|----|--------------------|
|  |    |                    |
| <b>Terminal Height Inches (mm)</b><br>1.10 (28)                                   |    |                    |
| <b>Torque Values in-lb (Nm)</b><br>95 – 105 (11 – 12)                             |    |                    |
| <b>Bolt</b><br>5/16"  |    |                    |

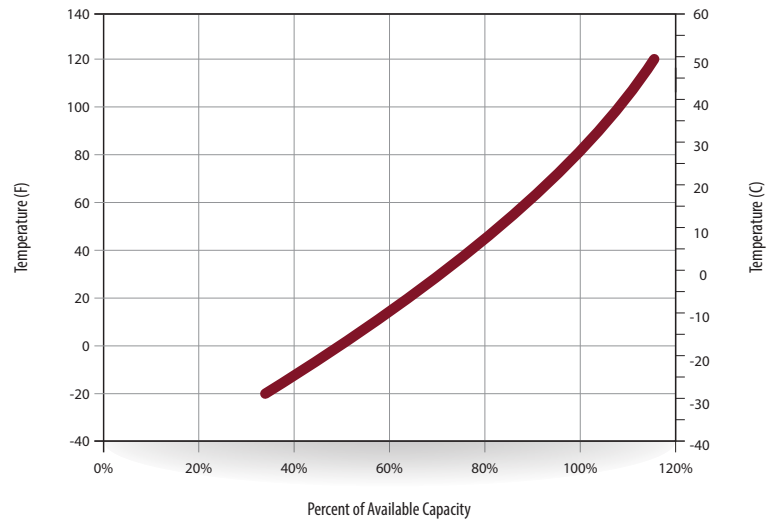
## BATTERY DIMENSIONS (shown with UT)



## TROJAN J250G 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.