MODEL	**DC-8V with Master Vent**
VOLTAGE	**8**
MATERIAL	**Polypropylene**
DIMENSIONS	**Inches (mm)**
BATTERY	**Deep-Cycle Flooded/Wet Lead-Acid Battery**
COLOR	**Maroon**
WATERING	**HydroLink™ Watering System**

MADE IN THE **USA**

WITH **T2** TECHNOLOGY

8 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE G	DIMENSIONS C INCHES (mm)			WEIGHT H LBS. (kg)
					LENGTH	WIDTH	HEIGHT F	
GC8	DC-8V	8	4	2	10.24 (260)	7.10 (180)	11.13 (283)	61 (28)

ELECTRICAL SPECIFICATIONS

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	@ 56 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	277	110	135	147	160	176	1.42	—	—

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)			
SYSTEM VOLTAGE	8V	24V	48V
Bulk Charge	9.88	29.64	59.28
Float Charge	9.00	27.00	54.00
Equalize Charge	10.80	32.40	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 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

OPERATIONAL DATA

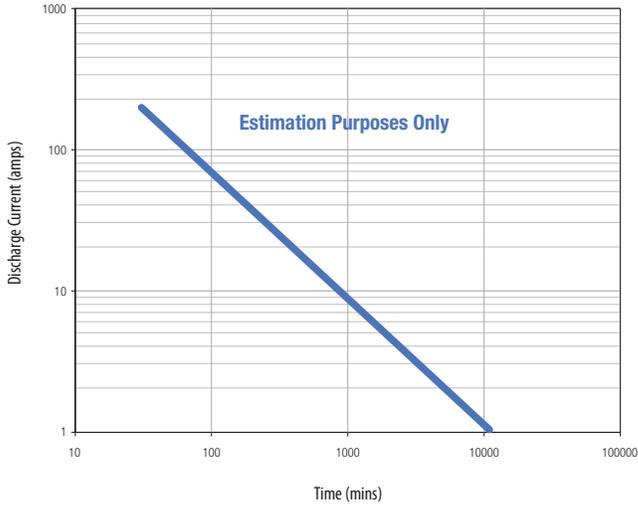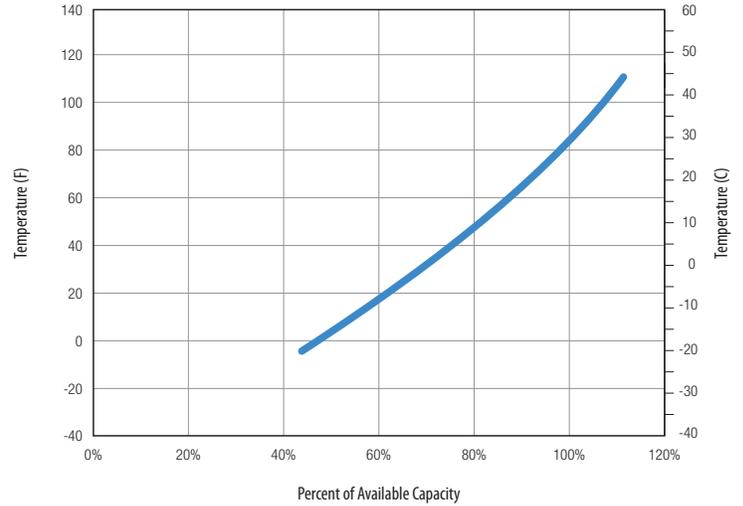| OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.

RECYCLE RESPONSIBLY

99% RECYCLABLE

8V Flooded

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	8 VOLT
100	1.277	2.122	8.49
90	1.258	2.103	8.41
80	1.238	2.083	8.33
70	1.217	2.062	8.25
60	1.195	2.040	8.16
50	1.172	2.017	8.07
40	1.148	1.993	7.97
30	1.124	1.969	7.88
20	1.098	1.943	7.77
10	1.073	1.918	7.67

TROJAN DC-8V PERFORMANCE

Estimation Purposes Only

(Graph: Discharge Current (amps) vs. Time (mins))

PERCENT CAPACITY VS. TEMPERATURE

(Graph: Temperature (F) / Temperature (C) vs. Percent of Available Capacity)

BATTERY DIMENSIONS (shown with EHPT)

10.24 (260) LENGTH

9.67 (246)

10.14 (256)

NEG — POS +

7.10 (180) WIDTH

11.13 (283) HEIGHT

6.95 (177)
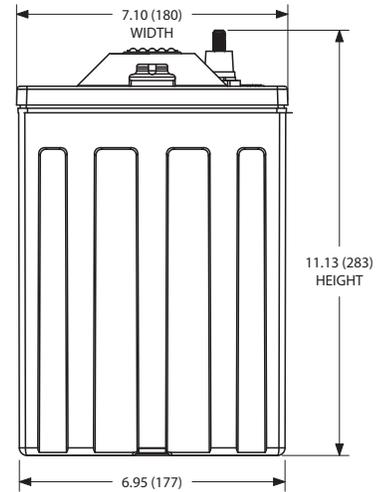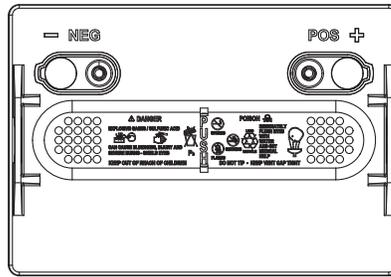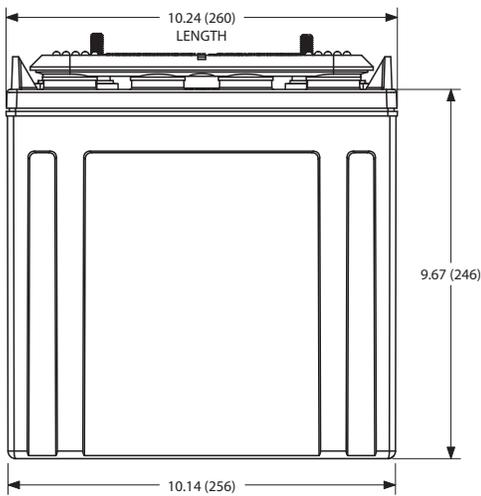
TERMINAL CONFIGURATIONS [G]

2	EHPT	EMBEDDED HIGH PROFILE TERMINAL

Terminal Height Inches (mm)
1.50 (38)

Torque Values in-lb (Nm)
95 – 105 (11 – 12)

Bolt
5/16"

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.

TROJAN BATTERY COMPANY