

DATA SHEET



MODEL T-145 with Bayonet Cap

VOLTAGE 6

MATERIAL Polypropylene

DIMENSIONS Inches (mm)

BATTERY Deep-Cycle Flooded/Wet Lead-Acid Battery

COLOR Maroon

WATERING HydroLink™ Watering System



Trojan 6 VOLT T-1 145 Pb

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Туре	Voltage	Cell(s)	Terminal Type ⁶	D	Dimensions ^c Inches (mm)	Weight Lbs. (kg)
					Length	Width	Height ^F	
GC2H	T-145	6	3	1, 2, 3, 4	10.30 (262)	7.11 (181)	11.90 (302)	72 (33)

ELECTRICAL SPECIFICATIONS

Cranking P	erformance	Capacity	^A Minutes		Capacity ^B An	np-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	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
_	_	530	145	215	239	260	287	1.72	_	_

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)						
System Voltage		6 V	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

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.

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









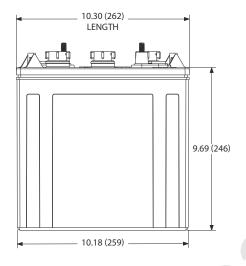


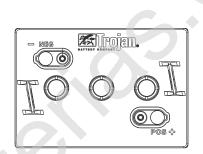
TERMINAL CONFIGURATIONS

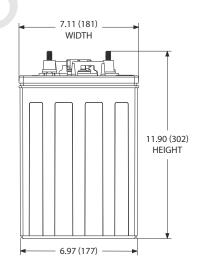
1	ELPT	Embedded Low Profile Terminal
		Terminal Height Inches (mm) 1.22 (31) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16"
2	EHPT	Embedded High Profile Terminal

3	EAPT	Embedded Automotive Post Terminal
		Terminal Height Inches (mm) 0.95 (24) Torque Values in-lb (Nm) 50 – 70 (5.6 – 7.9)
4	EUT	Embedded Universal Terminal
		Terminal Height Inches (mm) 1.10 (28) Torque Values in-lb (Nm) 95 – 105 (11 – 12)

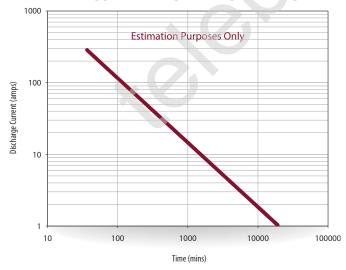
BATTERY DIMENSIONS (shown with EHPT)



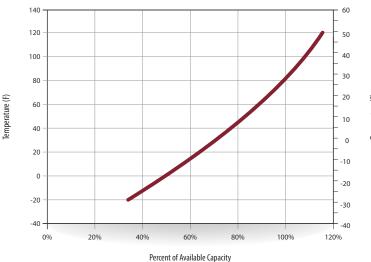




TROJAN T-145 PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



- 1.75 V/cell. Capacities are based on peak performance.

 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.

 Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing
- 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.
- (-18°C) at a voltage above 1.2 V/ceii.

 CA. (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/ceii. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.

 Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- Terminal images are representative only.

