

MODEL T-145 Plus with Flip Top
 VOLTAGE 6
 MATERIAL Polypropylene
 DIMENSIONS Inches (mm)
 BATTERY Deep-Cycle Flooded/Wet Lead-Acid Battery
 COLOR Maroon
 WATERING N/A


6V

PRODUCT + PHYSICAL SPECIFICATIONS

BO Group Size	Type	Voltage	Cell(s)	Terminal Type ⁴	Dimensions ⁵ Inches (mm)			Weight (lbs. (kg))
					Length	Width	Height ¹	
GC2H	T-145 Plus	6	3	1, 2, 3	10.30 (262)	7.11 (181)	11.90 (302)	72 (33)

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity ⁴ Minutes		Capacity ⁴ Amp-Hours (Ah)				Energy (kWh)	Internal Resistance (mΩ)	Short Circuit Current (amps)
CCA ³ @ 0°F (-18°C)	CA ¹ @ 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	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 over charging 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°F 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

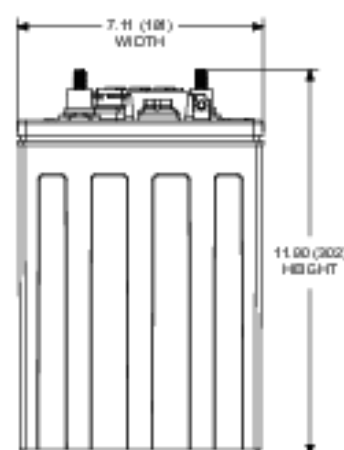
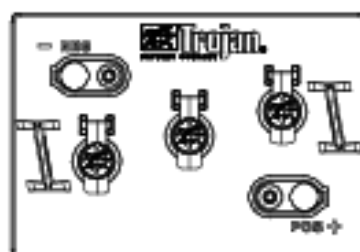
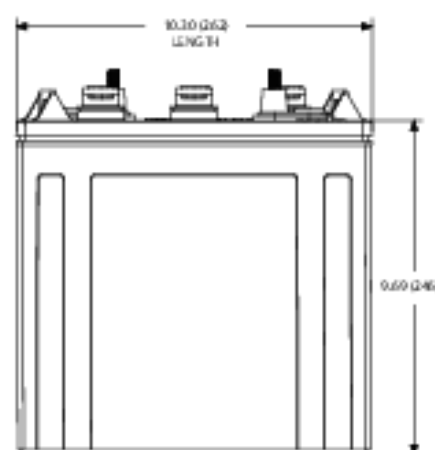
Percentage Charge	Specific Gravity	Cell	6 Volt
100	1.277	2.122	6.37
90	1.258	2.103	6.31
80	1.238	2.083	6.25
70	1.217	2.062	6.19
60	1.195	2.040	6.12
50	1.172	2.017	6.05
40	1.148	1.993	5.98
30	1.124	1.969	5.91
20	1.098	1.943	5.83
10	1.073	1.918	5.75

TERMINAL CONFIGURATIONS⁵

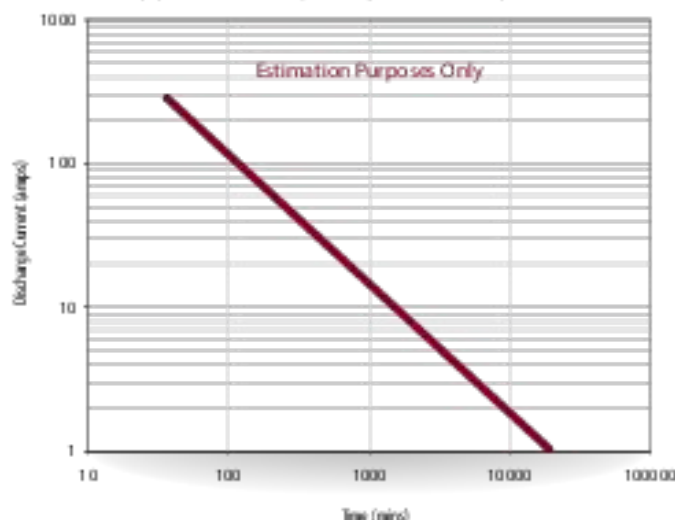
1	ELPT	Embedded Low Profile Terminal
		Terminal Height Inches (mm) 1.22 (31) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16"
2	EHPT	Embedded High Profile Terminal
		Terminal Height Inches (mm) 1.50 (38) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16"

3	EAPT	Embedded Automotive Post Terminal
		Terminal Height Inches (mm) 0.95 (24) Torque Values in-lb (Nm) 50 – 70 (5.6 – 7.9)

BATTERY DIMENSIONS (shown with EHPT)

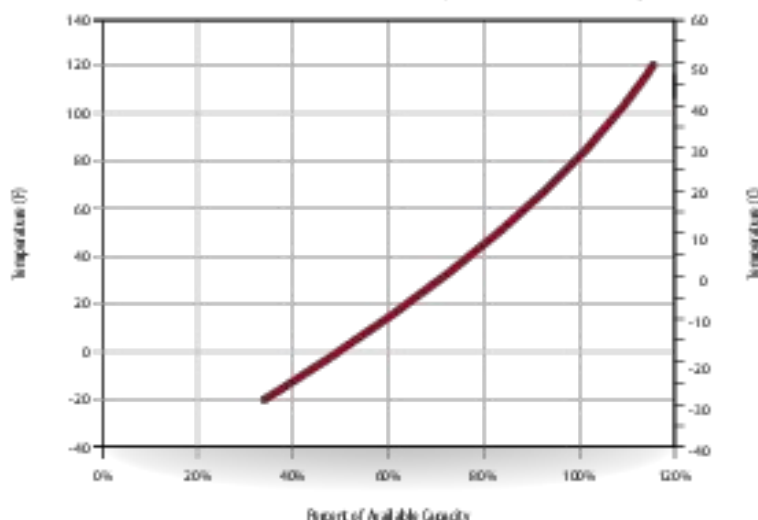


TROJAN T-145 PLUS PERFORMANCE



- 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 65 inches (1.65 mm) spacing minimum.

PERCENT CAPACITY VS. TEMPERATURE



- 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 reserve cranking capacity (R.C.P.) or R.C.A. (R.C.P.).
 F. Height is from bottom of the battery to the highest point on the battery. Height may vary depending on type of terminal.
 G. Terminal images are representative only.