

MOTIVE T-145

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

MADE IN THE



WITH T₂ TECHNOLOGY



6 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE °	DIMENSIONS ° INCHES (mm)			WEIGHT ^h LBS. (kg)
					LENGTH	WIDTH	HEIGHT ^f	
GC2H	T-145	6	3	1, 2, 3, 4	10.30 (262)	7.13 (181)	11.91 (303)	72 (33)

ELECTRICAL SPECIFICATIONS

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.

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

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	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	530	145	215	239	260	287	1.72	—	—

CHARGING INSTRUCTIONS

CHARGING TEMPERATURE COMPENSATION

OPERATING TEMPERATURE	SELF DISCHARGE
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OPERATIONAL DATA

-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%.

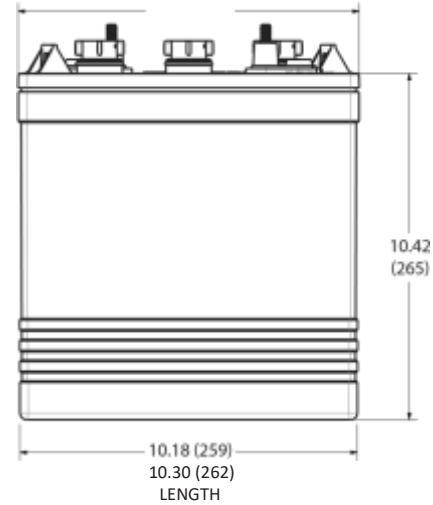
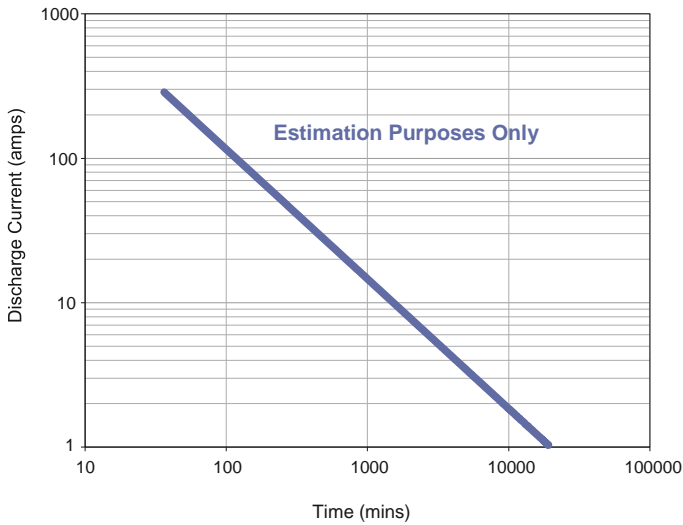
5 – 15% per month depending on storage temperature conditions.

RECYCLE RESPONSIBLY 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

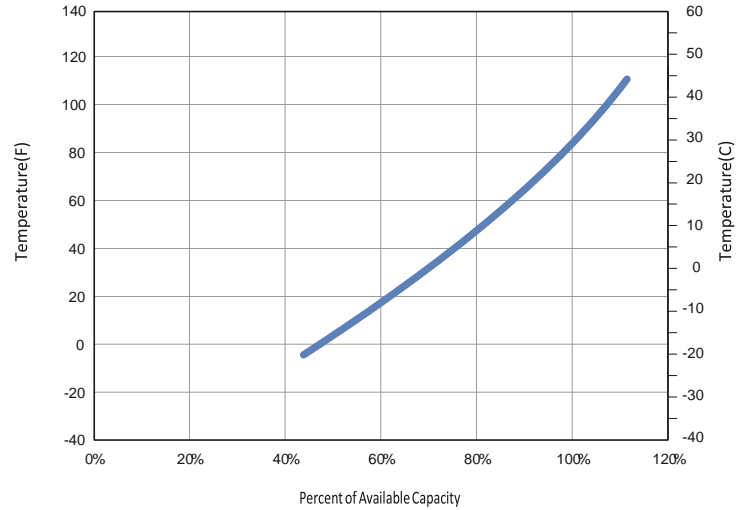


TROJAN T-145 PERFORMANCE



BATTERY DIMENSIONS (shown with EHPT)

PERCENT CAPACITY VS. TEMPERATURE



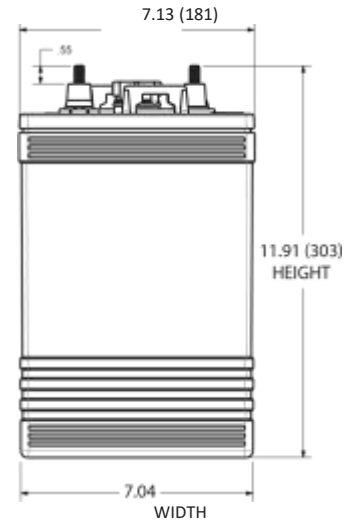
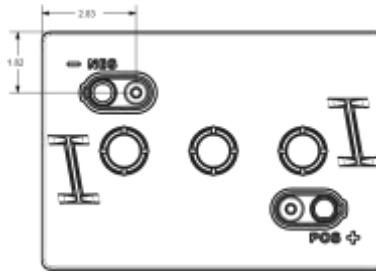
Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.

800.423.6569 / +1.562.236.3000 / trojanbattery.com





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T-145.DS_080719



TERMINAL CONFIGURATIONS^G

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"
3	EAPT	EMBEDDED AUTOMOTIVE POST TERMINAL
		Terminal Height Inches (mm) 0.95 (24) Torque Values in-lb (Nm) 50 – 70 (5.6 – 7.9)

- 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.

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"
4	EUT	EMBEDDED UNIVERSAL TERMINAL
		Terminal Height Inches (mm) 1.10 (28) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16"

- 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.