

# MOTIVE T-105 PLUS

MODEL **T-105 Plus SureVent™ with Flip Top**

VOLTAGE **6**

MATERIAL **Polypropylene**

DIMENSIONS **Inches (mm)**

BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**

COLOR **Maroon**

WATERING **No Watering System Available**

MADE IN THE



WITH **T<sub>2</sub>** TECHNOLOGY



## 6 VOLT

### PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE °	DIMENSIONS ° INCHES (mm)			WEIGHT ° LBS. (kg)
					LENGTH	WIDTH	HEIGHT °	
GC2	T-105 PLUS	6	3	1, 2, 3	10.30 (262)	7.11 (181)	11.07 (281)	62 (28)

### 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 ^ MINUTES		CAPACITY ^ AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
C.C.A. ^ @ 0°F (-18°C)	C.A. ^ @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	447	115	185	207	225	250	1.50	—	—

### CHARGING INSTRUCTIONS

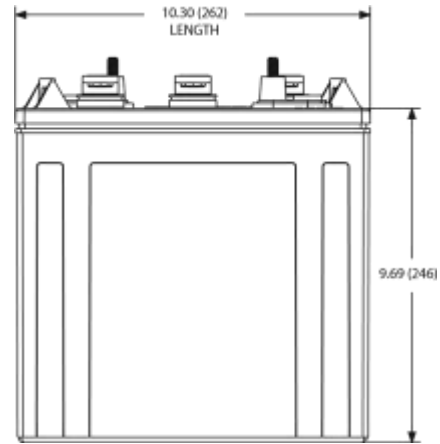
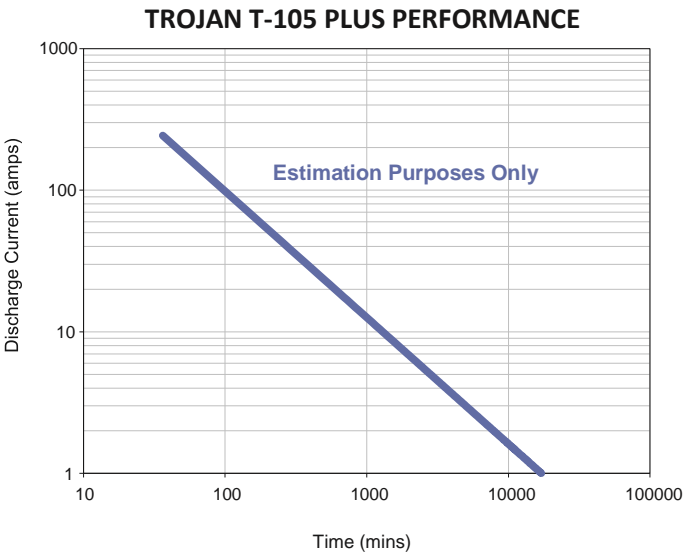
### CHARGING TEMPERATURE COMPENSATION

## OPERATIONAL DATA

**RECYCLE RESPONSIBLY** STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

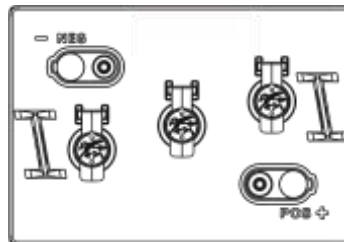
OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.

PERCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	6 VOLT						
				100	90	80	70	60	50
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>

**BATTERY DIMENSIONS** (shown with EHPT)



1 ELPT EMBEDDED LOW PROFILE TERMINAL

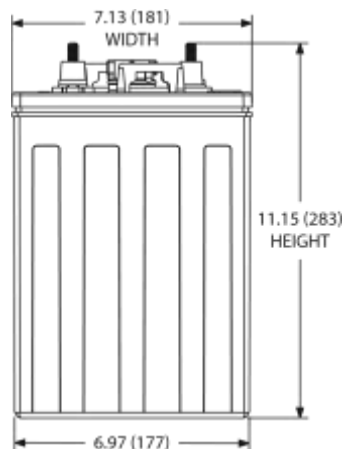
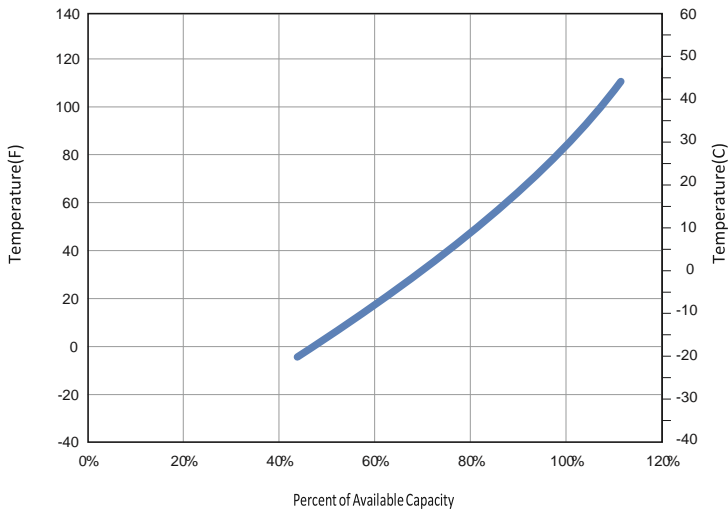
	<p><b>Terminal Height Inches (mm)</b> 1.22 (31)</p> <p><b>Torque Values in-lb (Nm)</b> 95 – 105 (11 – 12)</p> <p><b>Bolt</b> 5/16"</p>
<p><b>3 EAPT</b></p>	<p><b>EMBEDDED AUTOMOTIVE POST TERMINAL</b></p>
	<p><b>Terminal Height Inches (mm)</b> 0.95 (24)</p> <p><b>Torque Values in-lb (Nm)</b> 50 – 70 (5.6 – 7.9)</p>

<p><b>2 EHPT</b></p>	<p><b>EMBEDDED HIGH PROFILE TERMINAL</b></p>
	<p><b>Terminal Height Inches (mm)</b> 1.50 (38)</p> <p><b>Torque Values in-lb (Nm)</b> 95 – 105 (11 – 12)</p> <p><b>Bolt</b> 5/16"</p>

- 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.

- 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.

### PERCENT CAPACITY VS. TEMPERATURE



TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2015

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



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