



MODEL: TPG12-75
VOLTAGE: 12
DIMENSIONS: Inches (mm)
BATTERY: VRLA GEL
MATERIAL: Polypropylene
WATERING SYSTEM: N/A

PRODUCT SPECIFICATIONS

BCI GROUP SIZE	TYPE	CAPACITY ^A Minutes @25 Amps	CAPACITY ^B Amp-Hours (AH)				ENERGY (kWh) 100-Hr Rate	TERMINAL Type ^E	DIMENSIONS ^C Inches (mm)			WEIGHT lbs. (kg)
			5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			Length	Width	Height ^D	
12 VOLT DEEP CYCLE GEL BATTERY												
24	TPG12-75	147	66	72	77	85	1.02	6	10.92 (277)	6.61 (168)	9.26 (235)	52 (24)

- 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 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
 - C. Dimensions are based on nominal size. Dimensions may vary depending on type of handle or terminal.
 - D. Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
 - E. Terminal images are representative only.
- Trojan's battery testing procedures adhere to both BCI and IEC test standards.

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)				
System Voltage	12V	24V	36V	48V
Absorption Charge	14.1 – 14.4	28.2 – 28.8	42.3 – 43.2	56.4 – 57.6
Float Charge	13.5	27	40.5	54

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


.028 VPC for every 10°F (5.55°C) above or below 77°F (25°C) (add .028 VPC for every 10°F (5.55°C) below 77°F and subtract .028 VPC for every 10°C above 77°F).

OPERATIONAL DATA

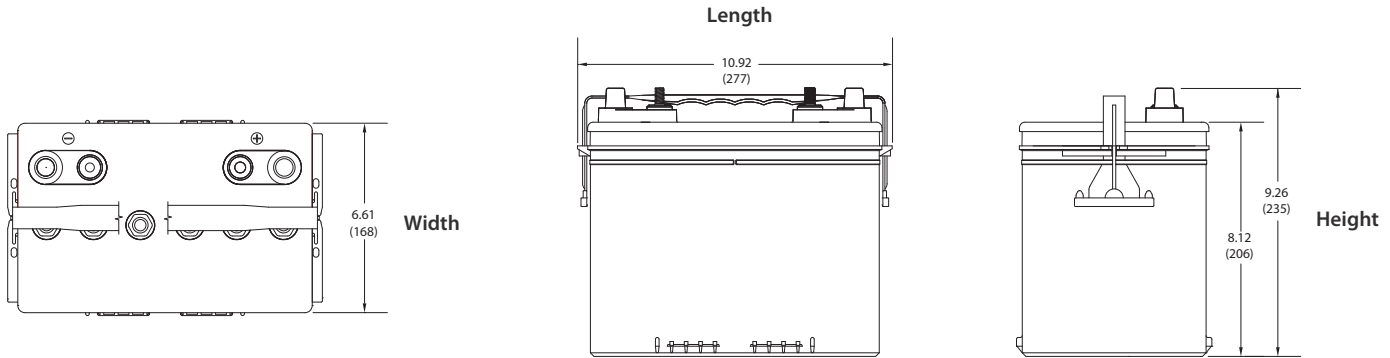
Operating Temperature	Self Discharge
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions.

Batteries may be utilized at higher temperatures with the understanding that battery life will be reduced by 50% for every 10° C (18° F) increase in operating temperatures over 68° F (20° C).

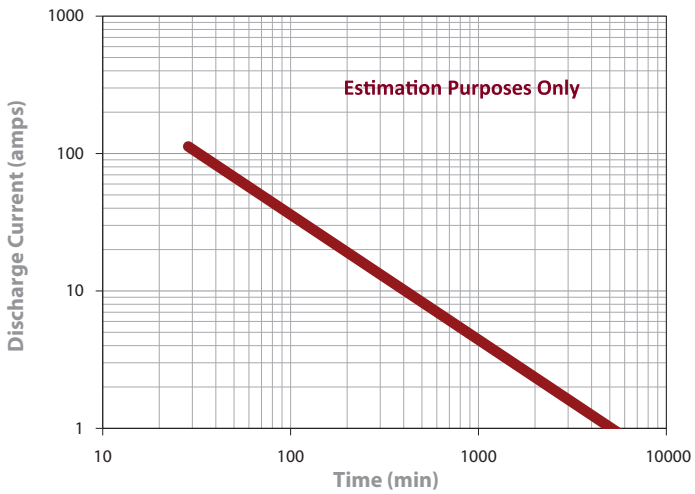
TERMINAL CONFIGURATIONS

6	DT	Automotive Post & Stud Terminal
		
<i>Terminal Height Inches (mm)</i> .79 (20)		
<i>Torque Values in-lb (Nm)</i> Stud: 95 – 105 (11 – 12) AP: 50 – 70 (6 – 8) ST: 120 – 180 (14 – 20) <i>Bolt Size</i> 5/16"		

BATTERY DIMENSIONS (shown with DT)



TROJAN 24-GEL PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE

