

**MODEL:** T-1275 with Master Vent  
**VOLTAGE:** 12  
**DIMENSIONS:** Inches (mm)  
**BATTERY:** Flooded/wet lead-acid battery  
**COLOR:** Maroon (case/cover)  
**MATERIAL:** Polypropylene  
**WATERING SYSTEM:** HydroLink™ Watering System



**T2** Technology™

## PRODUCT SPECIFICATIONS

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes			CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	TERMINAL Type <sup>E</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	@56 Amps	@75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			100-Hr Rate	Length	Width	
<b>12 VOLT DEEP CYCLE BATTERY - with T2 TECHNOLOGY™</b>														
N/A	<b>T-1275</b>	280	102	70	120	134	150	166	1.99	1, 2	12.96 (329)	7.13 (181)	11.13 (283)	82 (37)

**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
Daily Charge	14.8	29.6	44.4	59.2
Float	13.2	26.4	39.6	52.8
Equalize	15.5	31.0	46.5	62.0

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

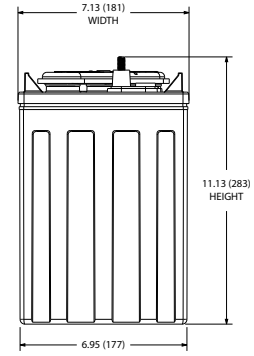
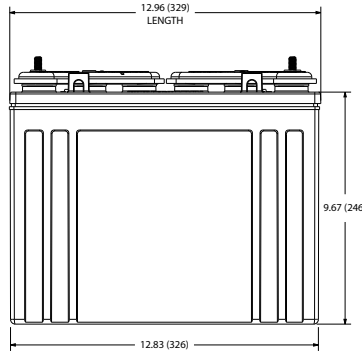
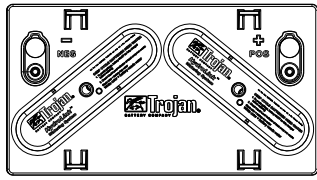
## TERMINAL CONFIGURATIONS

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

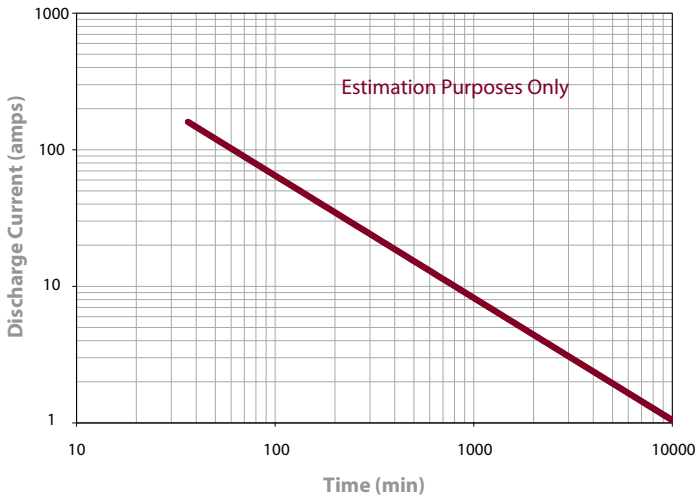
## OPERATIONAL DATA

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.

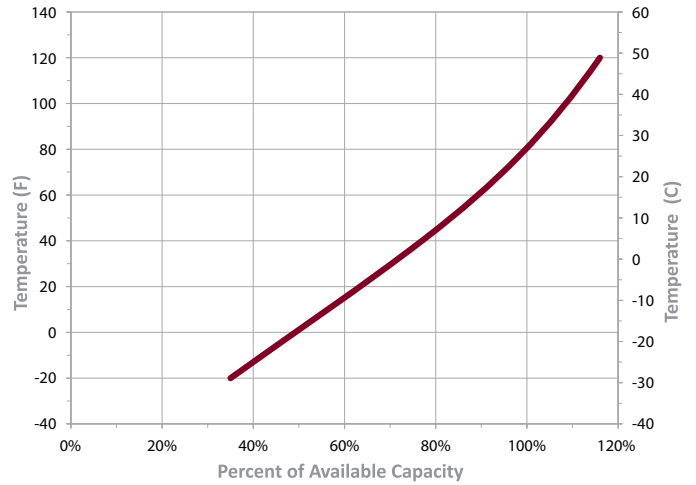
# BATTERY DIMENSIONS (shown with EHPT)



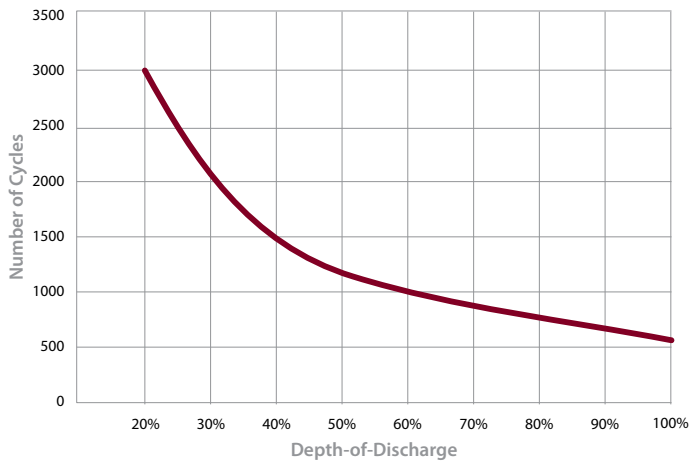
## TROJAN T-1275 PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



## TYPICAL CYCLE LIFE IN A STATIONARY APPLICATION



Trojan batteries are available worldwide through Trojan's Master Distributor Network. We offer outstanding technical support, provided by full-time application engineers.

**trojanbattery.com**

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