

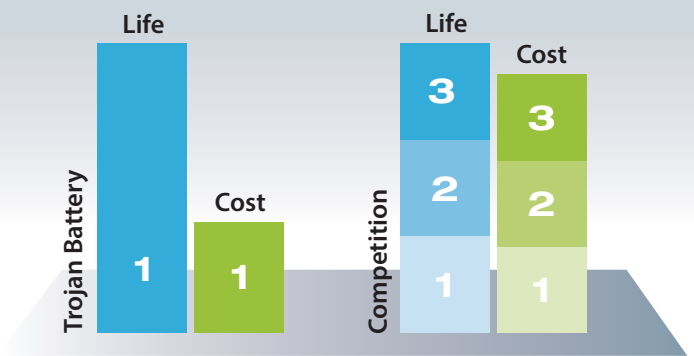
## Trojan T-105 RE

### The Optimal Battery for Inverter Backup Applications

While most batteries designed for automotive engine starting (SLI) or UPS applications only provide power for a few seconds and have a short cycle life, Trojan batteries are specifically engineered for deep-cycling inverter applications.

Trojan's T-105 RE is designed for **1,600 cycles at 50% DOD**, which when properly sized for the capacity of your system, will deliver longer sustained performance and longer life than the competition.

Featuring our exclusive Smart Carbon™ technology, the T-105 RE now boasts **15% longer cycle life** in a Partial State of Charge (PSOC) application, faster charging time and longer overall life even when conditions are not optimal.



Over the lifetime of your battery, Trojan consistently outperforms and outlasts the competition. Every Trojan deep-cycle battery features **quality components** and **industry-leading technology** to outperform and outlast the competition. When it comes to real value, Trojan can't be beat.

Trojan offers a much lower total cost of ownership over bargain brands. As shown on the graphic above, a competitive battery may seem to be a bargain at first but it will cost more than a Trojan battery over time as it will need to be replaced several times before a Trojan battery will reach end of service life.

MEDICAL



RESIDENTIAL



COMMUNITY



BANKS/BUSINESSES



# 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)	HydroLink™ or Single-Point Watering Kit <sup>F</sup>
		@25 Amps	@75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			100-Hr Rate	Length	Width		
<b>6 VOLT DEEP CYCLE BATTERY - with T2 TECHNOLOGY™</b>														
GC2H	<b>T-105 RE</b>	447	115	185	207	225	250	1.50	5	10.30 (262)	7.11 (181)	11.67 (281)	67 (30)	Single-Point

- 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) for the 20-Hour and 100-Hour rates 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.
  - F. N/A = Not Available. For more information on the Single-Point Watering Kit (SPWK), please contact your Trojan Battery representative.
- 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	6V	12V	24V	36V	48V
Absorption Charge	7.40	14.8	29.6	44.4	59.2
Float Charge	6.60	13.2	26.4	39.6	52.8
Equalize Charge	7.75	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.

Consult your charger's user manual and Trojan Battery User Guide for detailed information and safety procedures.

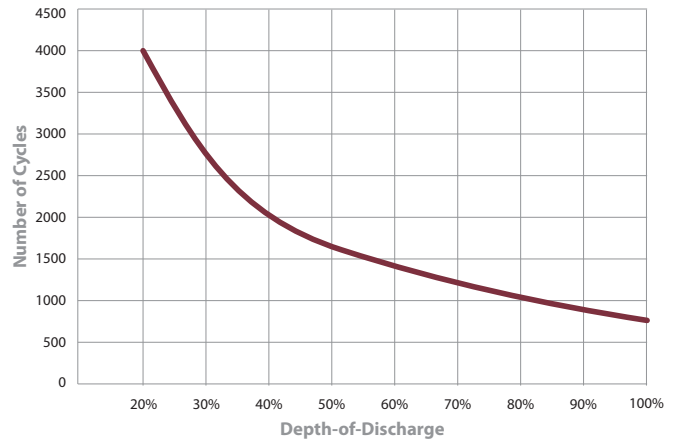
## CHARGING TEMPERATURE COMPENSATION

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

## TROJAN T-105 RE PERFORMANCE



## TERMINAL CONFIGURATIONS

5	LT	L-Terminal
		Terminal Height Inches (mm)
		1.70 (43)
		Torque Values LB-IN (Nm)
		100 – 120 (11 – 14)
		Bolt
		3/8"



800.423.6569  
+ 1.562.236.3000  
www.trojanbattery.com

## Trojan Battery Offers

- Made in USA Since 1925
- Advanced Deep-Cycle Technology
- Full Range of Deep-Cycle Flooded, AGM and Gel Batteries
- Low Cost of Ownership
- Outstanding Technical and Customer Service
- Over 200 Years of Combined Engineering Expertise

DEALER

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