



8D-GEL DATA SHEET

MODEL: 8D-GEL
DIMENSIONS: inches (mm)
BATTERY: VRLA GEL
MATERIAL: Polypropylene



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	20-Hr Rate	100-Hr Rate			Length	Width	Height ^D	
12 VOLT DEEP CYCLE GEL BATTERY											
8D	8D-GEL	500	188	225	265	3.18	5	21-1/16 (534)	11 (279)	10-13/16 (233)	161 (73)

- 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 77°F (25°C) for Gel Lines 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

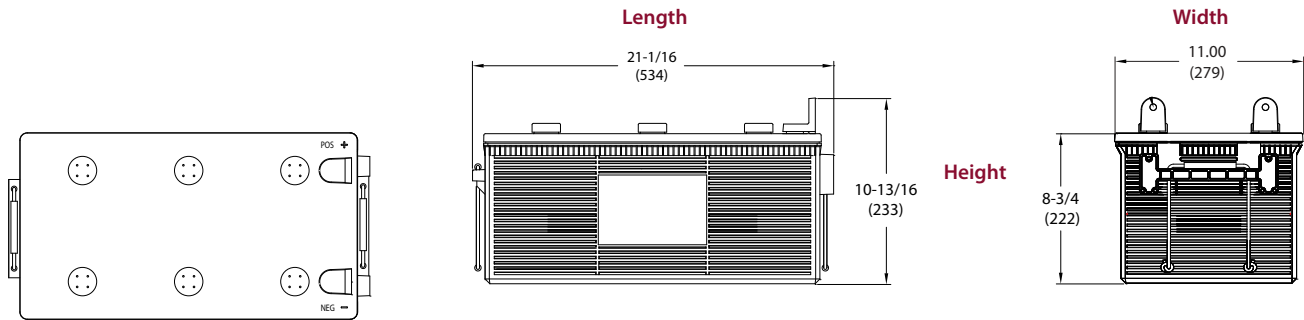
Operating Temperature	Self Discharge
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions.

TERMINAL CONFIGURATIONS

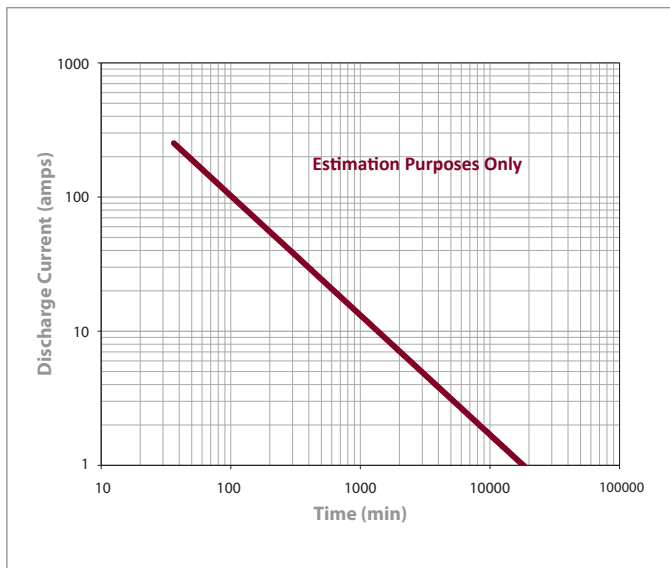
5	LT	L-Terminal
		Terminal Height Inches (mm) 1-3/4 (43)
		Torque Values in-lb (Nm) 100 – 120 (11 – 14)
		Through-hole Diameter (mm) 3/8 (10)



BATTERY DIMENSIONS (shown with LT)



TROJAN 8D-GEL PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE

