



MODEL: 31-GEL

DIMENSIONS: inches (mm)

BATTERY: VRLA GEL

COLOR: Maroon (case) Grey (cover)

MATERIAL: Polypropylene



PRODUCT SPECIFICATION

BCI GROUP	ТҮРЕ	CAPACITY A Minutes	CAPACITY ^B Amp-Hours (AH)			ENERGY (kWh)	TERMINAL Type	DIMENSIONS ^c Inches (mm)			WEIGHT lbs. (kg)
SIZE		@25 Amps	5-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate		Length	Width	Height ^D	
12 VOLT DEEP CYCLE GEL BATTERY											
31	31-GEL	200	85	102	108	1.30	7	12-15/16 (329)	6-3/4 (171)	9-5/8 (245)	70 (32)

- 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 nominal 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 nominal performance.
- ${\bf C.} \ \ {\bf Dimensions\ are\ based\ on\ nominal\ size.}\ {\bf Dimensions\ may\ vary\ depending\ on\ type\ of\ handle\ or\ terminal.}$
- D. Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal. 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 14.1 – 14.4 28.2 – 28.8 42.3 – 43.2 56.4 – 57.6

System Voltage	12V	24V	36V	48V
Daily Charge	14.1 – 14.4	28.2 – 28.8	42.3 – 43.2	56.4 – 57.6
Float	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.

TERMINAL CONFIGURATIONS



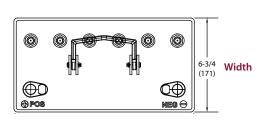
CHARGING TEMPERATURE COMPENSATION

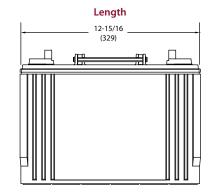
.028 VPC for every 10°F (5.55°C) above or below 77°F (25°C) (add .028 VPC for every 10°F (5.55°C) below 77°F and subtract .028 VPC for every 10°C above 77°F).

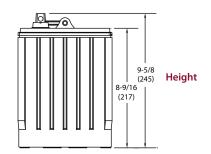
OPERATIONAL DATA

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.

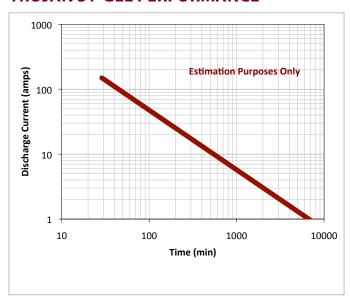
BATTERY DIMENSIONS (shown with UT)



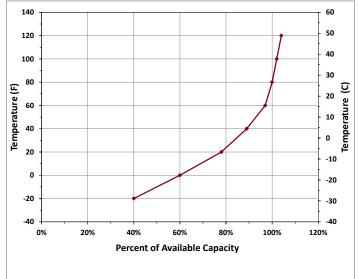




TROJAN 31-GEL PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



For product and purchase inquiries contact:

CODIRECT

CLEAN ENERGY SOLUTIONS www.ecodirect.com | 888-899-3509



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

For a Trojan Master Distributor near you, call 800.423.6569 or + 1.562.236.3000 or visit www.trojanbattery.com

12380 Clark Street, Santa Fe Springs, CA 90670 • USA