

MODEL:	Ranger 160 with Master Vent
VOLTAGE:	8
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 ^A Minutes		CAPACITY ^B Amp-Hours (AH)				ENERGY (kWh)	TERMINAL Type ^E	DIMENSIONS ^C Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	@56 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			100-Hr Rate	Length	Width	
8 VOLT DEEP CYCLE BATTERY - with T2 TECHNOLOGY™													
GC8H	Ranger 160	430	160	169	186	204	225	1.80	2	10.21 (259)	7.10 (180)	11.90 (302)	76 (34)

- 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.
- 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	8V	24V	48V
Daily Charge	9.87	29.6	59.2
Float	8.80	26.4	52.8
Equalize	10.33	31.0	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).

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.

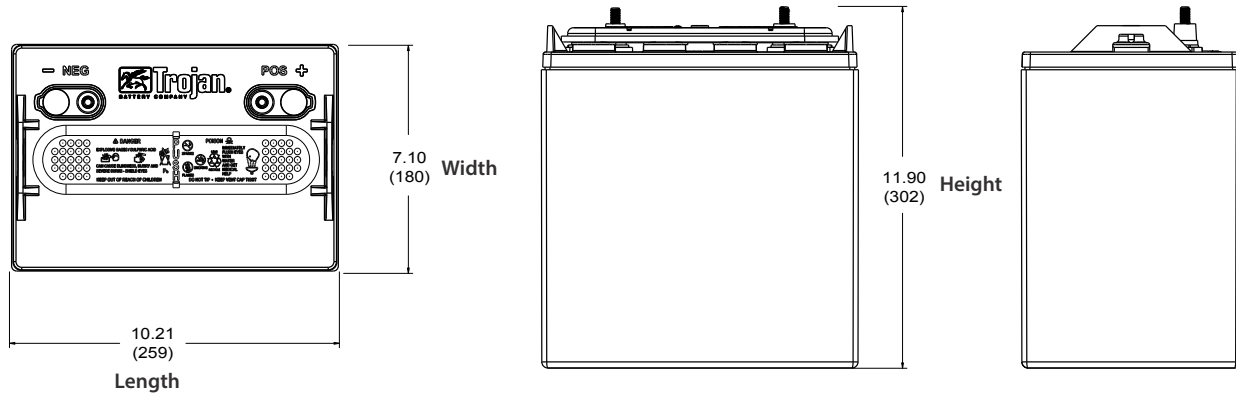
TERMINAL CONFIGURATIONS

2	EHPT	Embedded High Profile Terminal
		<i>Terminal Height Inches (mm)</i> 1.50 (38)
		<i>Torque Values in-lb (Nm)</i> 95–105 (10.7 – 11.9)
		<i>Bolt Size</i> 5/16 – 18

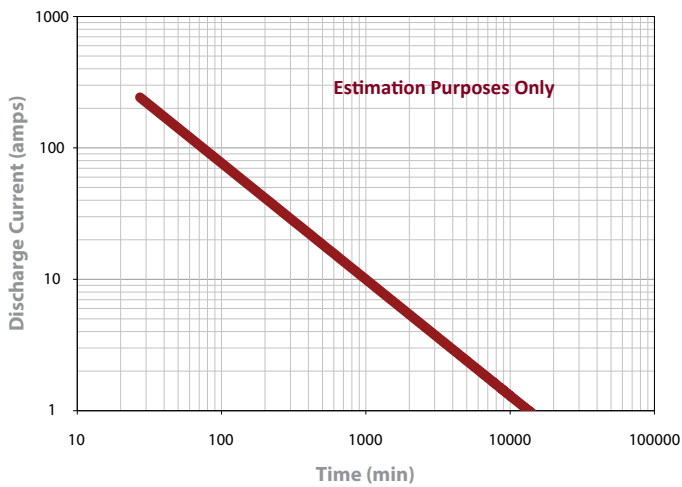


RANGER™ 160 DATA SHEET

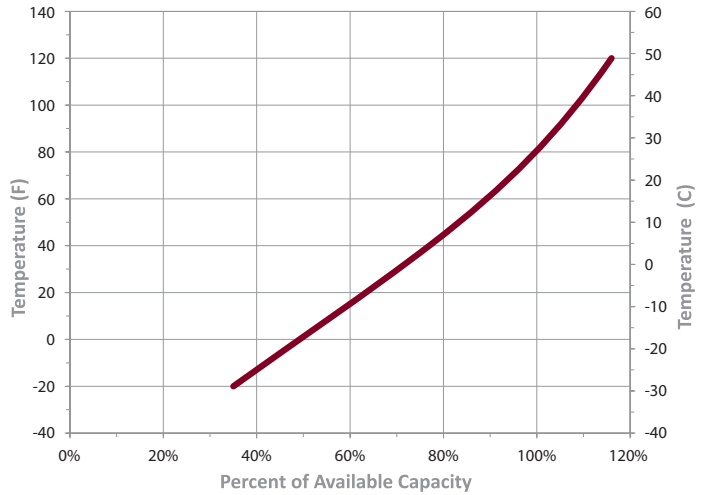
BATTERY DIMENSIONS (shown with EHPT)



TROJAN RANGER 160 PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2008 =



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

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