


MODEL **8V-GEL**
 VOLTAGE **8**
 MATERIAL **Polypropylene**
 DIMENSIONS **Inches (mm)**
 BATTERY **VRLA GEL / Maintenance-Free**
 COLOR **Gray**
 WATERING **No Watering Required** 



8V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Voltage	Cell(s)	Terminal Type ⁶	Dimensions ^c Inches (mm)			Weight ^h Lbs. (kg)
					Length	Width	Height ^f	
GC8	8V-Gel	8	4	6	10.31 (262)	7.13 (181)	10.88 (276)	70 (32)

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity ^a Minutes			Capacity ^b Amp-Hours (Ah)				Energy (kWh)
C.C.A. ^d @ 0°F (-18°C)	C.A. ^e @ 32°F (0°C)	@ 25 Amps	@ 56 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr
400	575	270	102	75	114	127	140	160	1.28

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)			
System Voltage	8V	24V	48V
Bulk Charge	9.60	28.80	57.60
Float Charge	9.00	27.00	54.00

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

Add	Subtract
0.003 volt per cell for every 1°C below 25°C 0.0017 volt per cell for every 1°F below 77°F	0.003 volt per cell for every 1°C above 25°C 0.0017 volt per cell for every 1°F above 77°F

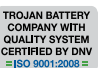
OPERATIONAL DATA

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.


Batteries may be utilized at higher temperatures with the understanding that battery life will be reduced by 50% for every 10° C (18° F) increase in operating temperatures over 68° F (20° C).

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

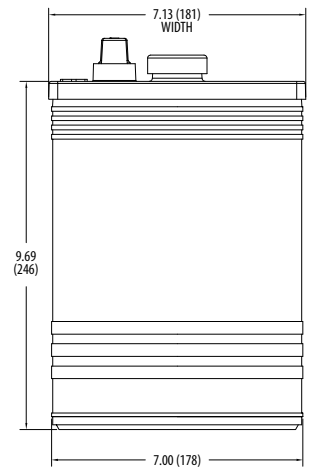
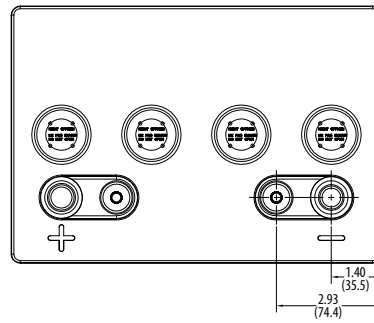
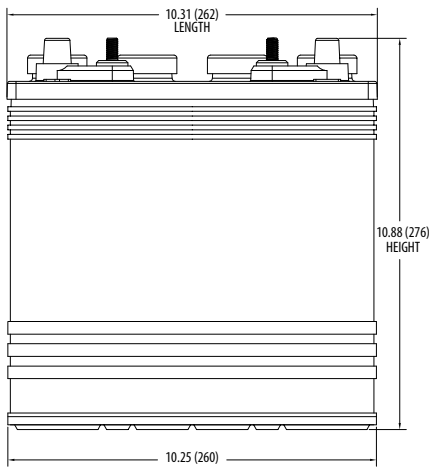
Percentage Charge	Specific Gravity	Cell	8 Volt
100	NA	2.14	8.56
75	NA	2.11	8.44
50	NA	2.06	8.24
25	NA	2.00	8.00
0	NA	1.97	7.88



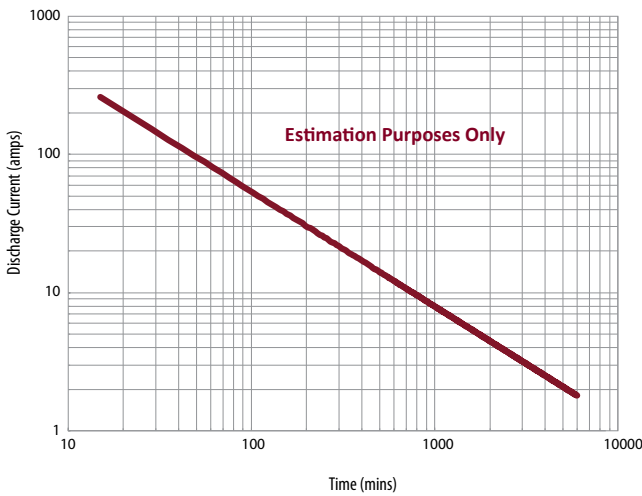
TERMINAL CONFIGURATIONS⁶

6	DT	Automotive Post & Stud
		
Terminal Height Inches (mm) 0.79 (20)		
Torque Values in-lb (Nm) Stud: 95 – 105 (11 – 12) AP: 50 – 70 (6 – 8)		
Bolt 5/16" - 18		

BATTERY DIMENSIONS (shown with DT)

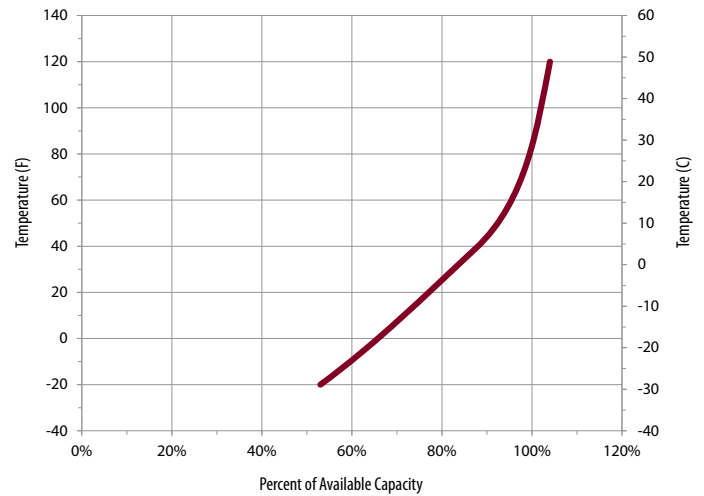


TROJAN 8V-GEL PERFORMANCE



- 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 maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
- D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

PERCENT CAPACITY VS. TEMPERATURE



- E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage above 1.2 V/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.
- F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- G. Terminal images are representative only.
- H. Weight may vary.