

MODEL **8V-Gel**  
 VOLTAGE **8**  
 CAPACITY **140Ah @ 20Hr**  
 MATERIAL **Polypropylene**  
 BATTERY **VRLA GEL / Non-Spillable / Maintenance-Free**  
 COLOR **Grey**  
 WATERING **No Watering Required**



## 8 VOLT

### PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	TERMINAL TYPE <sup>g</sup>	DIMENSIONS <sup>c</sup> INCHES (mm)			WEIGHT <sup>h</sup> LBS. (kg)	INSTALLATION ORIENTATION
			LENGTH	WIDTH	HEIGHT <sup>f</sup>		
GC8	8V-GEL	6				70 (32)	Horizontal and Vertical
			10.31 (262)	7.13 (181)	10.88 (276)		

### ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PERFORMANCE		CAPACITY <sup>a</sup> MINUTES			CAPACITY <sup>b</sup> AMP-HOURS (Ah)				ENERGY (kWh)
	C.C.A. <sup>d</sup> @0°F	C.A. <sup>e</sup> @32°F	@ 25 Amps	@ 56 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr
8	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
Maximum Charge Current (A)	13% of C <sub>20</sub>		
Absorption Voltage (2.40 V/cell)	9.60	28.80	57.60
Float Voltage (2.25 V/cell)	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.

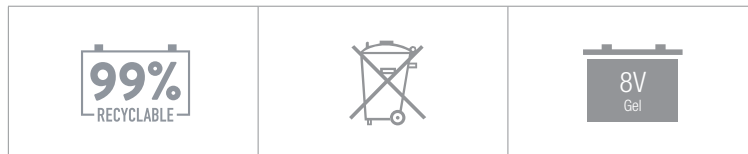
### CHARGING TEMPERATURE COMPENSATION

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

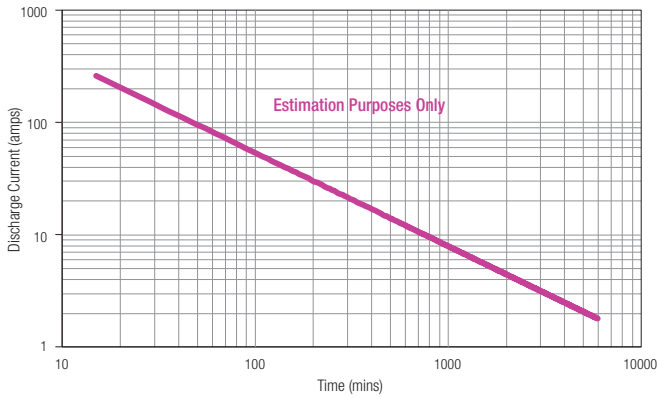
### RECYCLE RESPONSIBLY



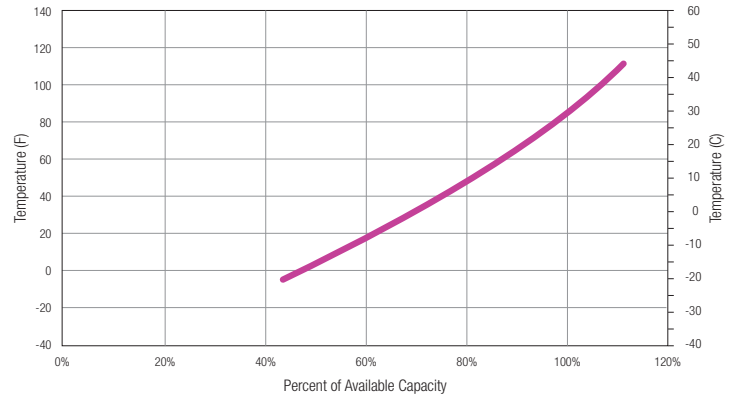
### STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	8 VOLT
100	2.14	8.56
75	2.11	8.44
50	2.06	8.24
25	2.00	8.00
0	1.97	7.88

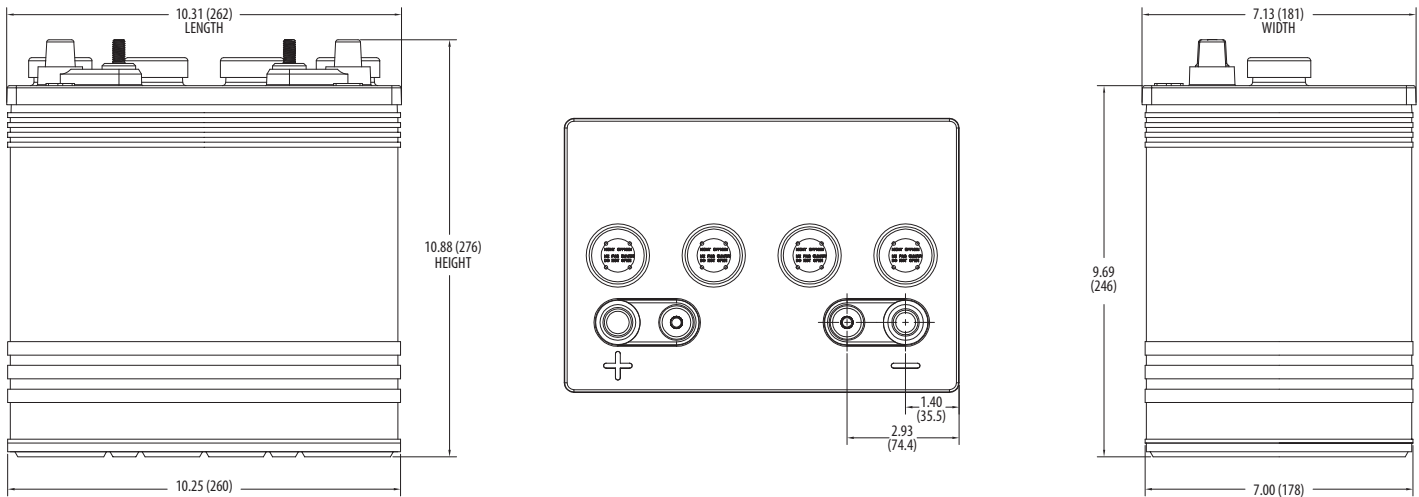
## TROJAN 8V-GEL PERFORMANCE




## PERCENT CAPACITY VS. TEMPERATURE



## BATTERY DIMENSIONS (shown with DT)



## TERMINAL CONFIGURATIONS<sup>6</sup>

6	DT	AUTOMOTIVE POST & STUD TERMINAL
		
<b>Terminal Height Inches (mm)</b> 0.79 (20)		
<b>Torque Values in-lb (Nm)</b> Stud: 95 – 105 (11 – 12) / AP: 50 – 70 (6 – 8)		
<b>Bolt</b> 5/16" – 18		

- 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 are based on nominal size. Dimensions may vary depending on type of handle or terminal. Batteries to be mounted with .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 at a voltage above 1.2 V/cell.

- E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F 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. Dimensions 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.



Designed in compliance with applicable BCI, DIN, BS and IEC standards.  
 Tested in compliance to BCI and IEC standards.

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