

**MODEL:** 5SHP-GEL

**DIMENSIONS:** inches (mm)

**BATTERY:** VRLA GEL

**COLOR:** Maroon (case) Grey (cover)

**MATERIAL:** Polypropylene



## PRODUCT SPECIFICATIONS

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes @25 Amps	CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh) 100-Hr Rate	TERMINAL Type <sup>E</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
			5-Hr Rate	20-Hr Rate	100-Hr Rate	Length			Width	Height <sup>D</sup>		
<b>12 VOLT DEEP CYCLE GEL BATTERY</b>												
DIN	5SHP-GEL	-	110	125	137	1.64	5, 8	13-9/16 (345)	6-3/4 (171)	11-1/8 (283)	83 (39)	

- 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).

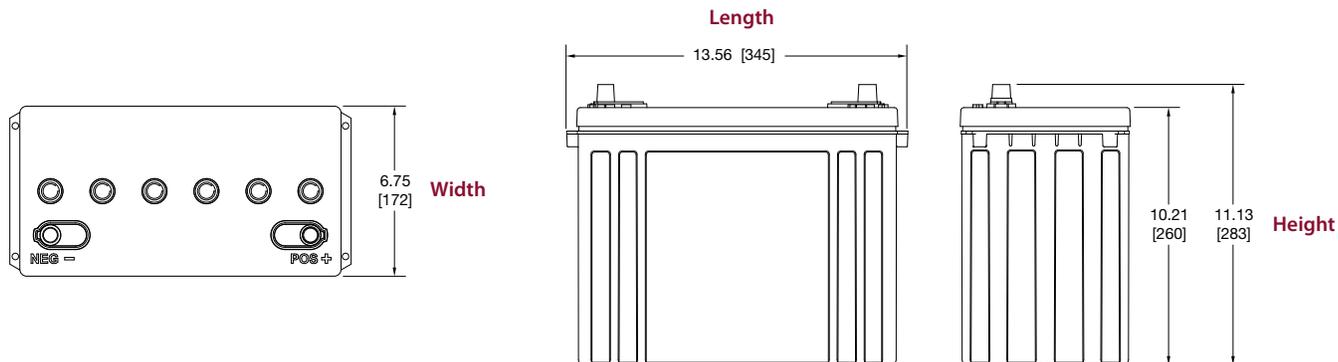
## OPERATIONAL DATA

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.

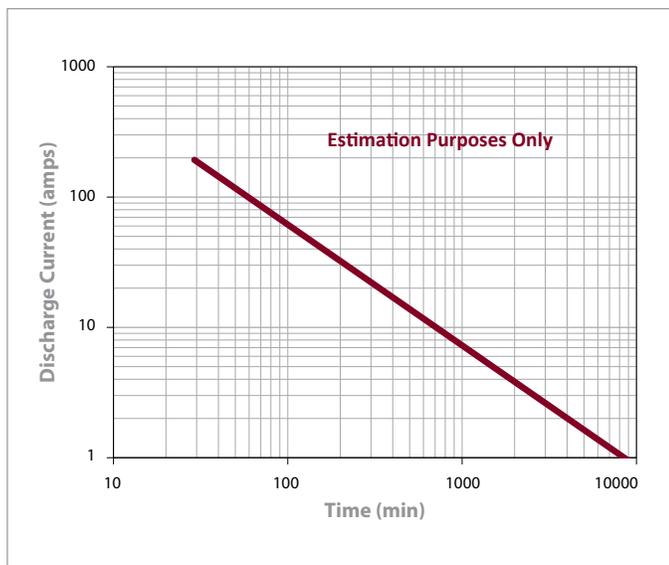
## TERMINAL CONFIGURATIONS

<b>5 LT</b>	<b>L-Terminal</b>
	<i>Terminal Height Inches (mm)</i> 1-3/4 (43) <i>Torque Values in-lb (Nm)</i> 100 – 120 (11 – 14) <i>Through-hole Diameter (mm)</i> 3/8 (10)
<b>8 AP</b>	<b>Automotive Terminal</b>
	<i>Terminal Height Inches (mm)</i> 13/16 (21) <i>Torque Values in-lb (Nm)</i> 50 – 70 (6 – 8)

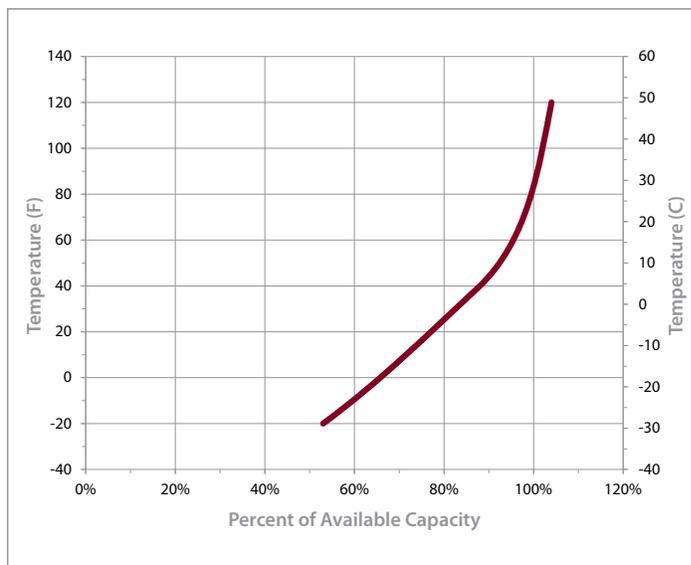
## BATTERY DIMENSIONS (shown with AP)



## TROJAN 5SHP-GEL PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



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](http://www.trojanbattery.com)**

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