

**MODEL:** 27-AGM  
**VOLTAGE:** 12  
**DIMENSIONS:** Inches (mm)  
**BATTERY:** VRLA AGM  
**COLOR:** Maroon (case/cover)  
**MATERIAL:** Polypropylene  
**WATERING SYSTEM:** N/A



## PRODUCT SPECIFICATIONS

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes	CRANKING Performance		CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	TERMINAL Type <sup>G</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	C.C.A. <sup>D</sup> @0°F	C.A. <sup>E</sup> @32°F	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate		Length	Width	Height <sup>F</sup>	
		12 VOLT DEEP CYCLE AGM BATTERY												
27	27-AGM	158	550	660	77	82	89	99	1.19	6	12.05 (306)	6.84 (174)	9.32 (237)	64 (29)

- 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 AGM 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. 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.  
 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 – 14.7	28.2 – 29.4	42.3 – 44.1	56.4 – 58.8
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).

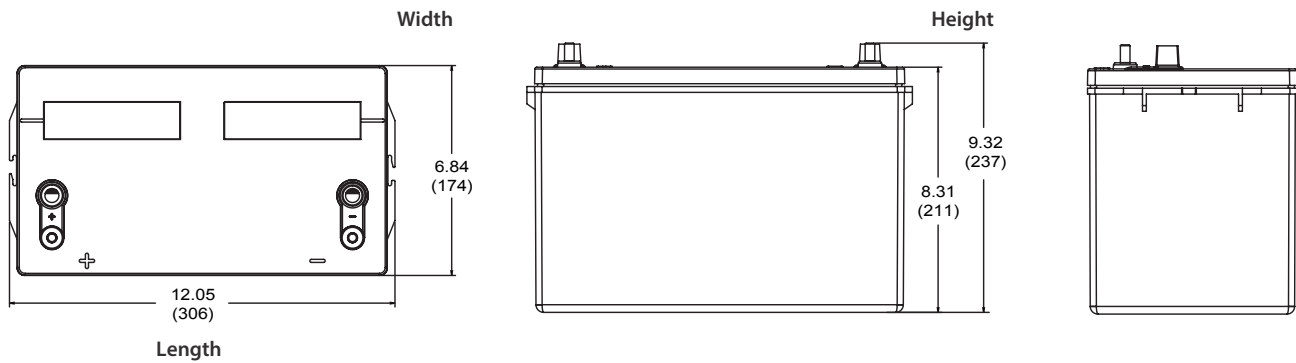
## OPERATIONAL DATA

Operating Temperature	Self Discharge
-4°F to 131°F (-20°C to +55°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.

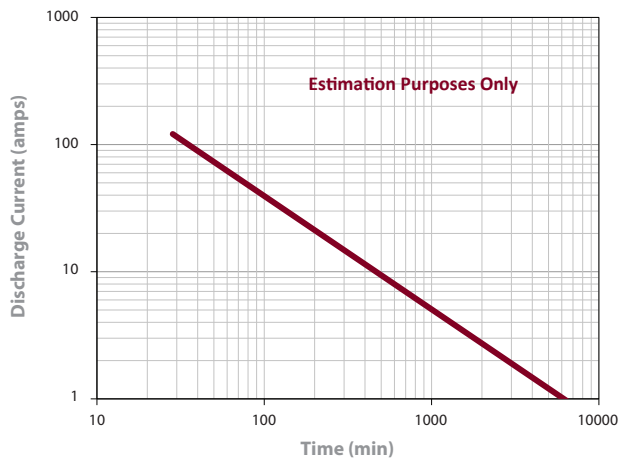
## TERMINAL CONFIGURATIONS

6	DT	Automotive Post & Stud Terminal
		
<b>Terminal Height Inches (mm)</b> .79 (20) <b>Torque Values in-lb (Nm)</b> <b>Bolt: 95 – 105 (11 – 12)</b> <b>AP: 50 – 70 (6 – 8)</b> <b>Bolt Size</b> 5/16 – 18		

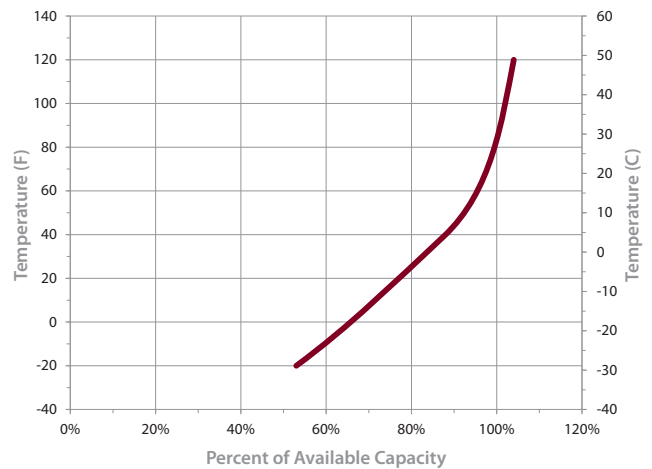
## BATTERY DIMENSIONS (shown with DT)



## TROJAN 27-AGM 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](http://www.trojanbattery.com)**

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