

**MODEL:** OverDrive™ AGM 31

**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 @25 Amps	CRANKING Performance		CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh) 100-Hr Rate	TERMINAL Type	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
			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			Length	Width	Height <sup>F</sup>	
<b>12 VOLT CYCLING AGM BATTERY</b>														
31	OverDrive AGM 31™	180	730	875	84	93	102	112	1.34	11	13.42 (341)	6.81 (173)	9.21 (234)	69 (31)

- 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 rate 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. 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.
- 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
Daily Charge	14.1 – 14.7	28.2 – 29.4	42.3 – 44.1	56.4 – 58.8
Float	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

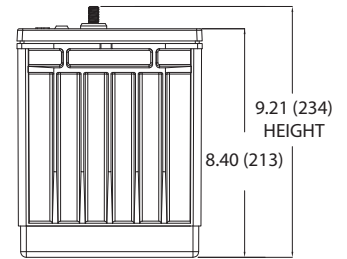
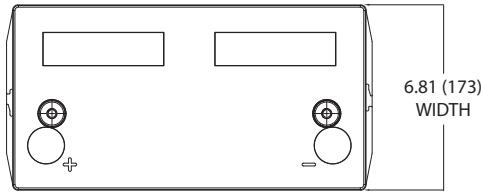
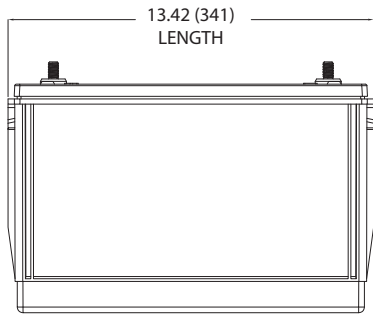
## TERMINAL CONFIGURATIONS

11	ST	Stud Terminal
	Terminal Height Inches (mm)	.64 (16)
	Torque Values in-lb (Nm)	120 - 180 (14-20)
	Stud Size	3/8"

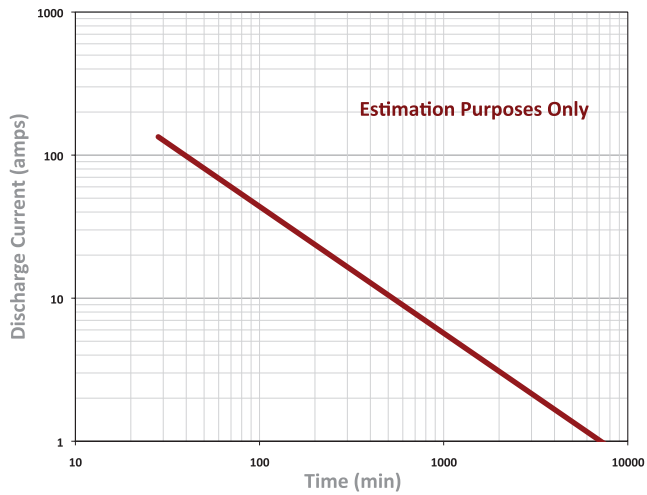
## OPERATIONAL DATA

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.

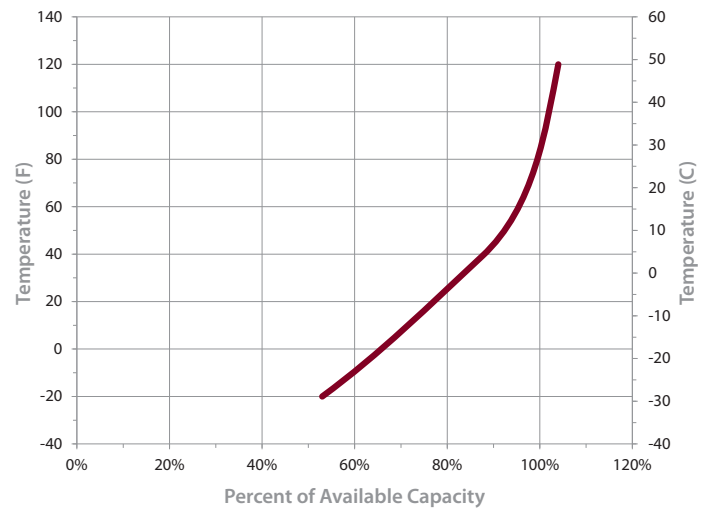
## BATTERY DIMENSIONS (shown with ST)



## TROJAN OVERDRIVE™ AGM 31 PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



Trojan's battery testing procedures adhere to BCI-05 (Rev Oct 09) and IEC 61427 test standards.



Trojan batteries are available worldwide through Trojan's Master Distributor Network. We offer outstanding technical support, provided by full-time application engineers.

**trojanbattery.com**

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