

|                         |                     |
|-------------------------|---------------------|
| <b>MODEL:</b>           | 22-AGM              |
| <b>VOLTAGE:</b>         | 12                  |
| <b>DIMENSIONS:</b>      | Inches (mm)         |
| <b>BATTERY:</b>         | VRLA AGM            |
| <b>COLOR:</b>           | Maroon (case/cover) |
| <b>MATERIAL:</b>        | Polypropylene       |
| <b>WATERING SYSTEM:</b> | N/A                 |
| <b>DESIGN LIFE:</b>     | 10 Years            |



## 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 |                          |                         |                                      |            |            |             |              |                            |                                     |            |                     |                  |
| 22             | 22-AGM | 79                             | 280                      | 336                     | 43                                   | 47         | 50         | 52          | 0.624        | 13                         | 8.96 (228)                          | 5.49 (139) | 8.04 (204)          | 40 (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) for the 20-Hour and 100-Hour rates 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.
- G.** Terminal images are representative only.
- Trojan's battery testing procedures adhere to BCI-05 (Rev Oct 09) and IEC 61427 test standards.

## CHARGING INSTRUCTIONS

| <b>CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)</b> |             |             |             |             |
|------------------------------------------------|-------------|-------------|-------------|-------------|
| 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).

## OPERATIONAL DATA

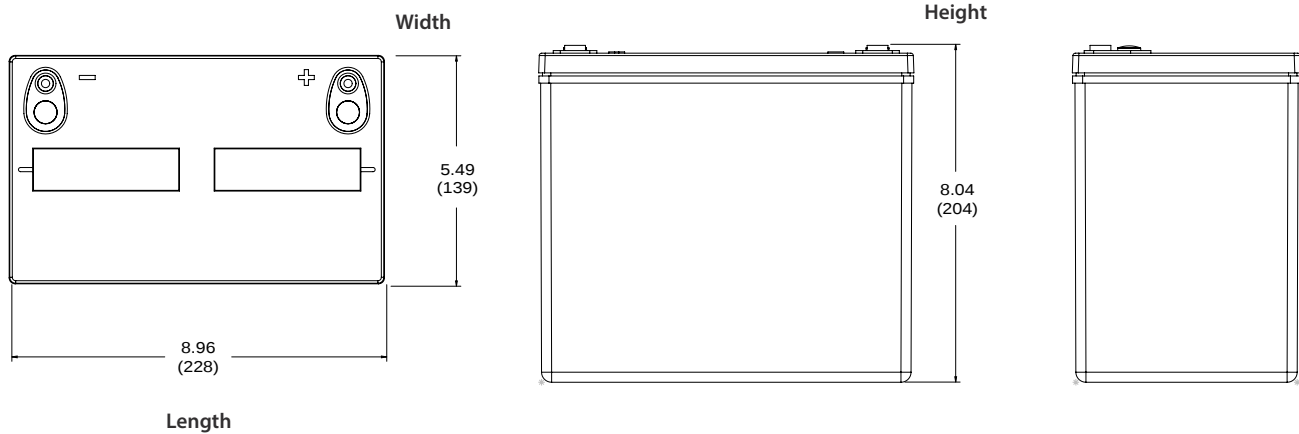
| Operating Temperature                                                                                         | Self Discharge                                                      |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| -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

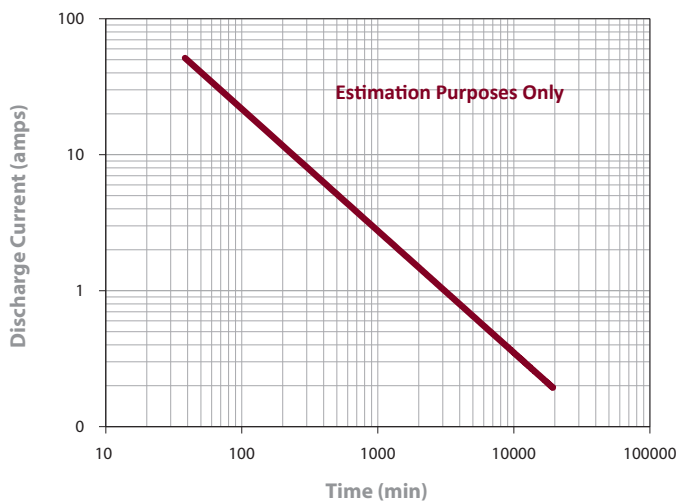
| 13                                                                                    | IT | Insert Terminal             |
|---------------------------------------------------------------------------------------|----|-----------------------------|
|  |    | Terminal Height Inches (mm) |
|                                                                                       |    | .19 (4.7)                   |
|                                                                                       |    | Torque Values in-lb (Nm)    |
|                                                                                       |    | 30 (3 – 4)                  |
|                                                                                       |    | Bolt Size                   |
|                                                                                       |    | 10-32UNF                    |

# 22-AGM DATA SHEET

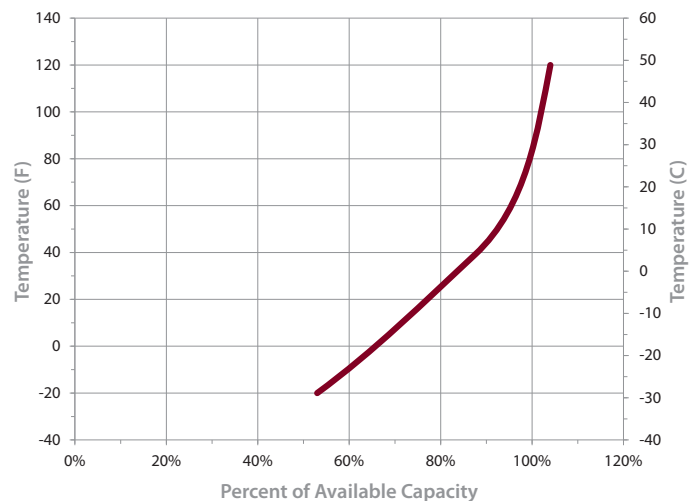
## BATTERY DIMENSIONS (shown with Insert Terminal)



## TROJAN 22-AGM PERFORMANCE



## PERCENT CAPACITY VS. TEMPERATURE



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

**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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