

|                         |                    |
|-------------------------|--------------------|
| <b>MODEL:</b>           | 8D-AGM             |
| <b>VOLTAGE:</b>         | 12                 |
| <b>DIMENSIONS:</b>      | Inches (mm)        |
| <b>BATTERY:</b>         | VRLA AGM           |
| <b>COLOR:</b>           | Black (case/cover) |
| <b>MATERIAL:</b>        | ABS                |
| <b>WATERING SYSTEM:</b> | N/A                |



## PRODUCT SPECIFICATIONS

| BCI GROUP SIZE                   | TYPE   | CAPACITY <sup>A</sup><br>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><br>@0°F | C.A. <sup>E</sup><br>@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 DUAL PURPOSE AGM BATTERY |        |                                  |                             |                            |                                      |            |            |             |              |                            |                                     |             |                     |                  |
| 8D                               | 8D-AGM | 460                              | 1450                        | 1850                       | 179                                  | 210        | 230        | 254         | 3.05         | 6                          | 20.47 (520)                         | 10.64 (270) | 9.08 (231)          | 161 (73)         |

- 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. 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         |
| 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

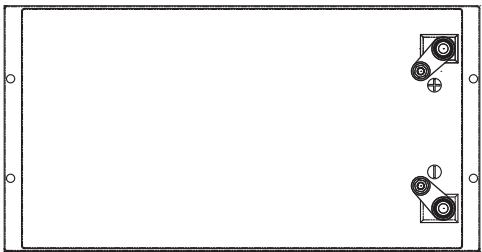
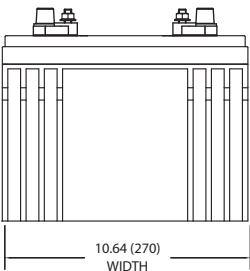
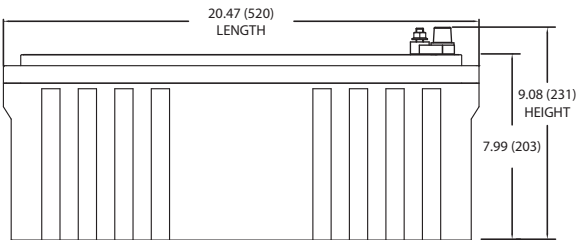
| 6                                                                                   | DT                          | Automotive Post & Stud Terminal                 |  |
|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|--|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

## OPERATIONAL DATA

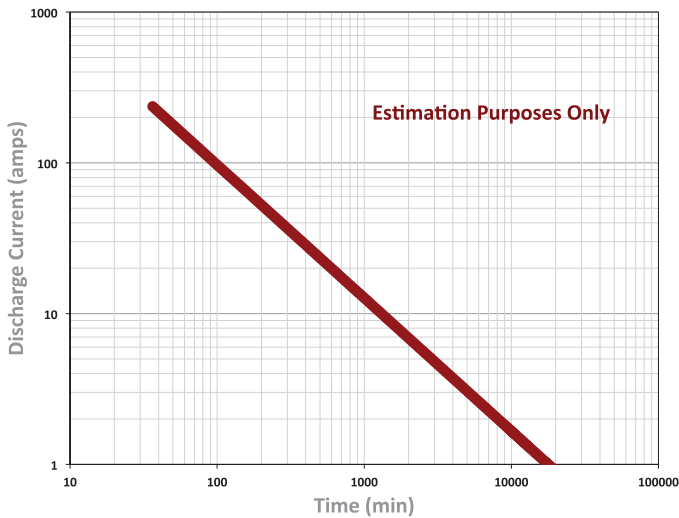
| Operating Temperature                                                                                         | Self Discharge                                                      |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| -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 DT)

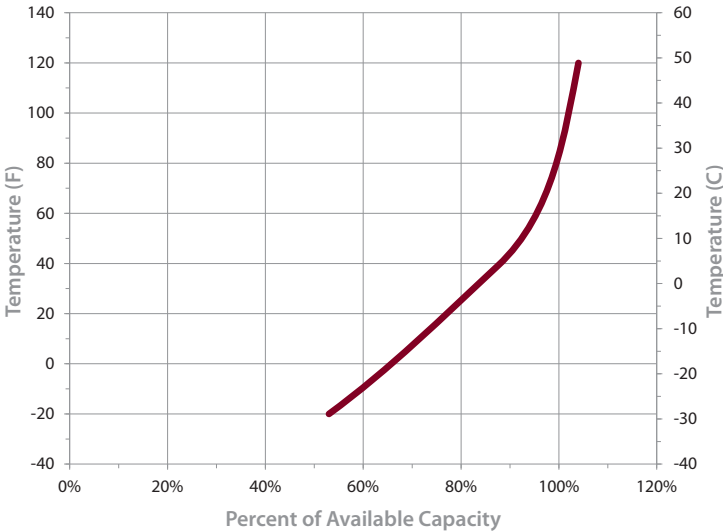
8D-AGM DATA SHEET



TROJAN 8D-AGM 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.

**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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