

| | |
|-------------------------|---------------------|
| MODEL: | 27-AGM |
| VOLTAGE: | 12 |
| DIMENSIONS: | Inches (mm) |
| BATTERY: | VRLA AGM |
| COLOR: | Maroon (case/cover) |
| MATERIAL: | Polypropylene |
| WATERING SYSTEM: | N/A |
| DESIGN LIFE: | 10 Years |



PRODUCT SPECIFICATIONS

| BCI GROUP SIZE | TYPE | CAPACITY ^A Minutes | CRANKING Performance | | CAPACITY ^B Amp-Hours (AH) | | | | ENERGY (kWh) | TERMINAL Type ^G | DIMENSIONS ^C Inches (mm) | | | WEIGHT lbs. (kg) |
|----------------|--------|--------------------------------|--------------------------|-------------------------|--------------------------------------|------------|------------|-------------|--------------|----------------------------|-------------------------------------|------------|---------------------|------------------|
| | | @25 Amps | C.C.A. ^D @0°F | C.A. ^E @32°F | 5-Hr Rate | 10-Hr Rate | 20-Hr Rate | 100-Hr Rate | 100-Hr Rate | | Length | Width | Height ^F | |
| | | 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 80°F (27°C) 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 BCI-05 (Rev Oct 09) and IEC 61427 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).

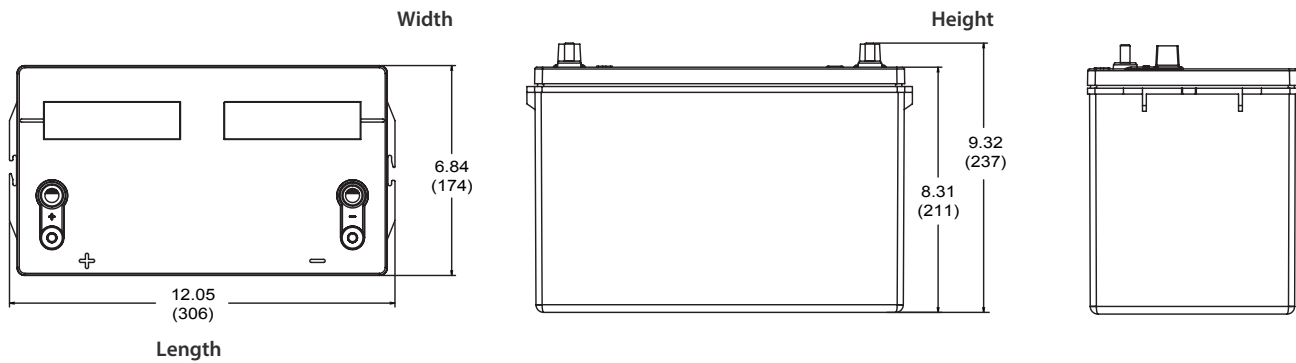
OPERATIONAL DATA

| 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. |

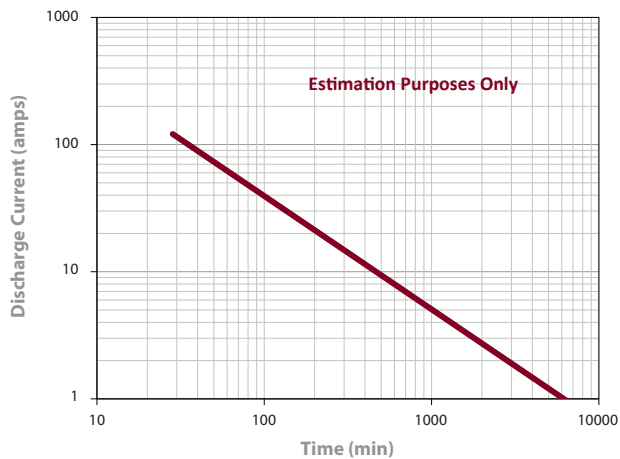
TERMINAL CONFIGURATIONS

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

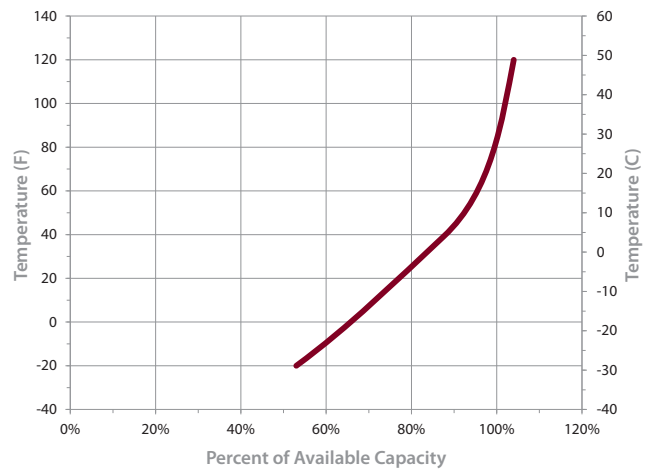
BATTERY DIMENSIONS (shown with DT)



TROJAN 27-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.