

MODEL **24-AGM**
 VOLTAGE **12**
 CAPACITY **76Ah @ 20Hr**
 MATERIAL **Polypropylene**
 BATTERY **VRLA AGM / Non-Spillable / Maintenance-Free**
 COLOR **Maroon**
 WATERING **No Watering Required**



12 VOLT

PHYSICAL SPECIFICATIONS

| BCI | MODEL NAME | TERMINAL TYPE ⁶ | DIMENSIONS ⁹ INCHES (mm) | | | WEIGHT ¹¹ LBS. (kg) | HANDLES | INSTALLATION ORIENTATION |
|-----|------------|----------------------------|-------------------------------------|------------|---------------------|--------------------------------|---------------|--------------------------|
| | | | LENGTH | WIDTH | HEIGHT ^F | | | |
| 24 | 24-AGM | 6 | | | | 54 (24) | Plastic Strap | Horizontal and Vertical |
| | | | 10.77 (274) | 6.84 (174) | 8.62 (219) | | | |

ELECTRICAL SPECIFICATIONS

| VOLTAGE | CAPACITY ^A MINUTES | CRANKING PERFORMANCE | | CAPACITY ^B AMP-HOURS (Ah) | | | | ENERGY (kWh) | INTERNAL RESISTANCE (mΩ) | SHORT CIRCUIT CURRENT (amps) |
|---------|-------------------------------|--------------------------|-------------------------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
| | | C.C.A. ^D @0°F | C.A. ^E @32°F | 5-Hr | 10-Hr | 20-Hr | 100-Hr | | | |
| 12 | @ 25 Amps | | | | | | | | | |
| | 137 | 500 | 600 | 67 | 70 | 76 | 84 | 1.01 | - | - |

CHARGING INSTRUCTIONS

| CHARGER VOLTAGE SETTINGS (AT 77°F/25°C) | | | | |
|---|------------------------|-------|-------|-------|
| SYSTEM VOLTAGE | 12V | 24V | 36V | 48V |
| Maximum Charge Current (A) | 20% of C ₂₀ | | | |
| Absorption Voltage (2.40 V/cell) | 14.40 | 28.80 | 43.20 | 57.60 |
| Float Voltage (2.25 V/cell) | 13.50 | 27.00 | 40.50 | 54.00 |

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

| ADD | SUBTRACT |
|---|---|
| 0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F | 0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F |

OPERATIONAL DATA

| OPERATING TEMPERATURE | SELF DISCHARGE |
|---|--|
| -4°F to 122°F (-20°C to +50°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 |

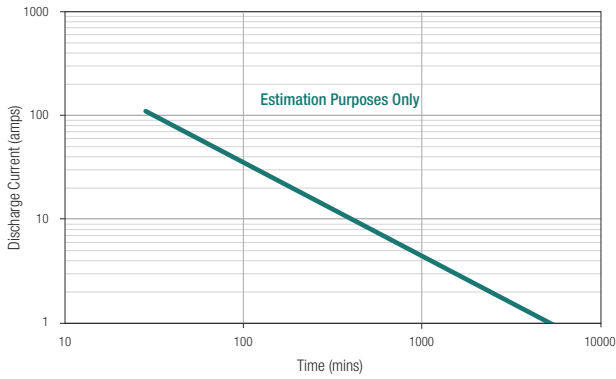
RECYCLE RESPONSIBLY



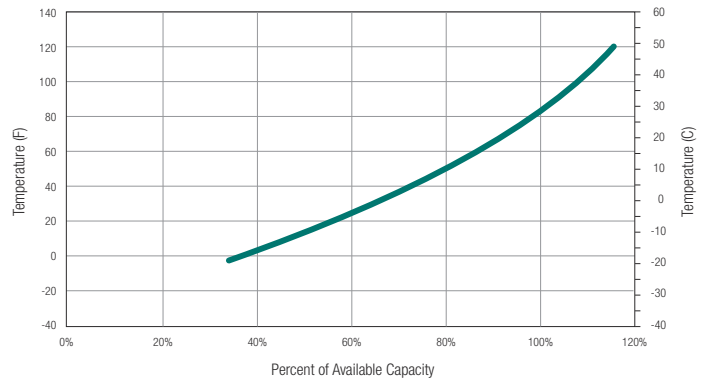
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

| PERCENTAGE CHARGE | CELL | 12 VOLT |
|-------------------|------|---------|
| 100 | 2.14 | 12.84 |
| 75 | 2.09 | 12.54 |
| 50 | 2.04 | 12.24 |
| 25 | 1.99 | 11.94 |
| 0 | 1.94 | 11.64 |

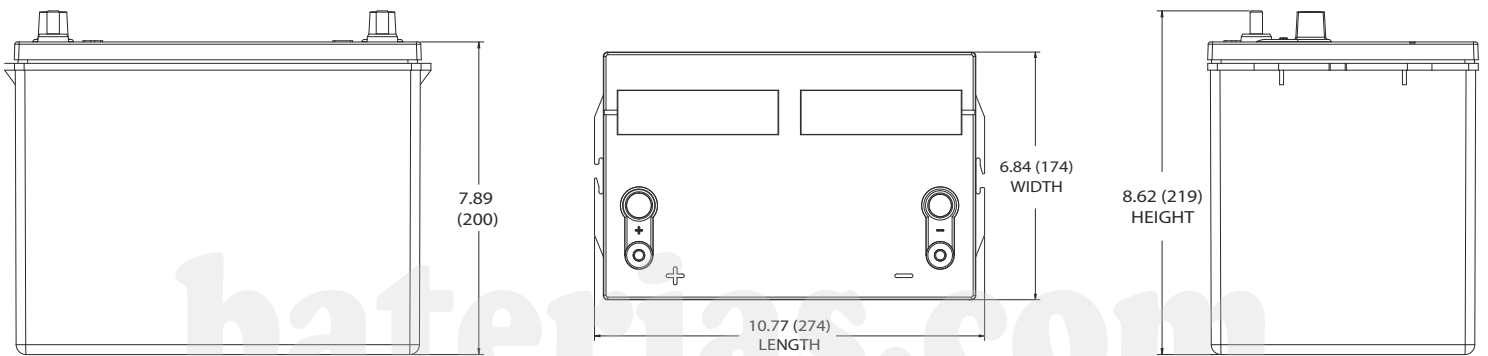
TROJAN 24-AGM PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with DT)



TERMINAL CONFIGURATIONS^G

| 6 | DT | AUTOMOTIVE POST & STUD TERMINAL |
|--|----|---------------------------------|
| | | |
| Terminal Height Inches (mm) 0.79 (20) | | |
| Torque Values in-lb (Nm) Stud: 95 – 105 (11 – 12) AP: 50 – 70 (6 – 8) | | |
| Bolt 5/16" | | |

- 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 maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 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 (-18°C) 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 (0°C) 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. Height 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.
- H. Weight may vary.



Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.



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