

MODEL L16-AGM
VOLTAGE 6
MATERIAL Polypropylene
DIMENSIONS Inches (mm)
BATTERY VRLA AGM / Non-Spillable / Maintenance-Free
COLOR Maroon
WATERING No Watering Required



6V

PRODUCT + PHYSICAL SPECIFICATIONS

| BCI Group Size | Type | Terminal Type ⁶ | Dimensions ^c Inches (mm) | | | Weight Lbs. (kg) |
|----------------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
| | | | Length | Width | Height ^f | |
| 903 | L16-AGM | M8/DT/LT | 11.66 (296) | 6.94 (176) | 16.41 (417) | 115 (52) |

ELECTRICAL SPECIFICATIONS

| Cranking Performance | | Capacity ^A Minutes | | Capacity ^B Amp-Hours (AH) | | | | Energy (kWh) | Internal Resistance (mΩ) | Short Circuit Current (amps) |
|-----------------------------------|--------------------------------|-------------------------------|-----------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
| C.C.A. ^D @ 0°F (-18°C) | C.A. ^E @ 32°F (0°C) | @ 25 Amps | @ 75 Amps | 5-Hr | 10-Hr | 20-Hr | 100-Hr | 100-Hr | 1.7 | 3650 |
| — | — | 817 | 215 | 290 | 323 | 370 | 392 | 2.35 | | |

CHARGING INSTRUCTIONS

| Charger Voltage Settings (at 77°F/25°C) | | | | | | |
|--|-------------|-----------|-------------|-------------|-------------|-------------|
| System Voltage | 6V | 8V | 12V | 24V | 36V | 48V |
| Absorption Charge (2.35 - 2.45 VPC) | 7.05 - 7.35 | 9.4 - 9.8 | 14.1 - 14.7 | 28.2 - 29.4 | 42.3 - 44.1 | 56.4 - 58.8 |
| Finish Charge (2.45 VPC) | 7.35 | 9.8 | 14.7 | 29.4 | 44.1 | 58.8 |

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 |

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

| Percentage Charge | Cell | 6 Volt |
|-------------------|------|--------|
| 100 | 2.14 | 6.42 |
| 75 | 2.09 | 6.27 |
| 50 | 2.04 | 6.12 |
| 25 | 1.99 | 5.97 |
| 0 | 1.94 | 5.82 |



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



TERMINAL CONFIGURATIONS⁶

M8



Battery Height with Terminal in Inches (mm)
15.97 (406)

Torque Values: in-lb (Nm)
Bolt: 85 – 90 (10 – 11)

M8 with LT Adapter (adapter provided but not installed)



Battery Height with Terminal in Inches (mm)
17.47 (444)

Torque Values: in-lb (Nm)
Connection to M8: 85 – 90 (10-11)
Connection to LT: 65 – 75 (7.5 – 8.5)

Bolt Size
M8 x 1.25

DT



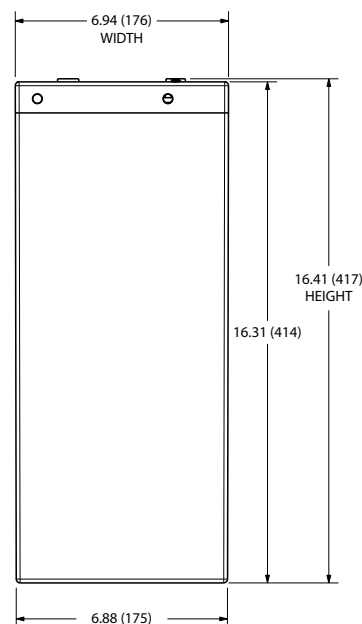
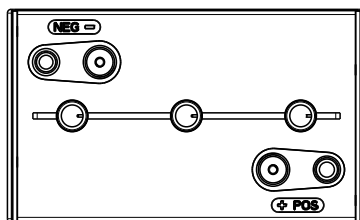
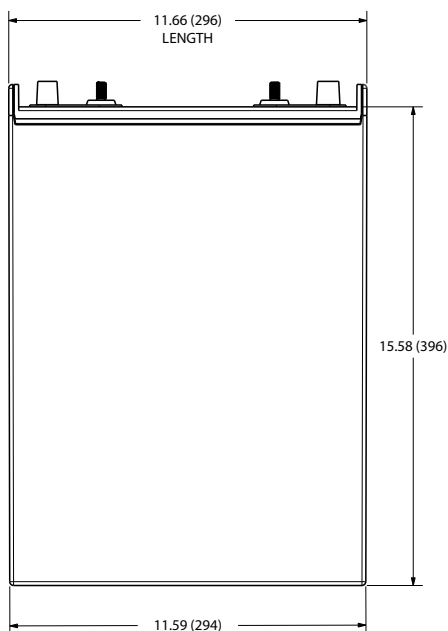
Battery Height with Terminal in Inches (mm)
16.41 (417)

Torque Values: in-lb (Nm)
Connected to Stud: 95 – 105 (11 – 12)
Connected to AP: 50 – 70 (6 – 8)

Bolt Size
5/16"

BATTERY DIMENSIONS (shown with DT)

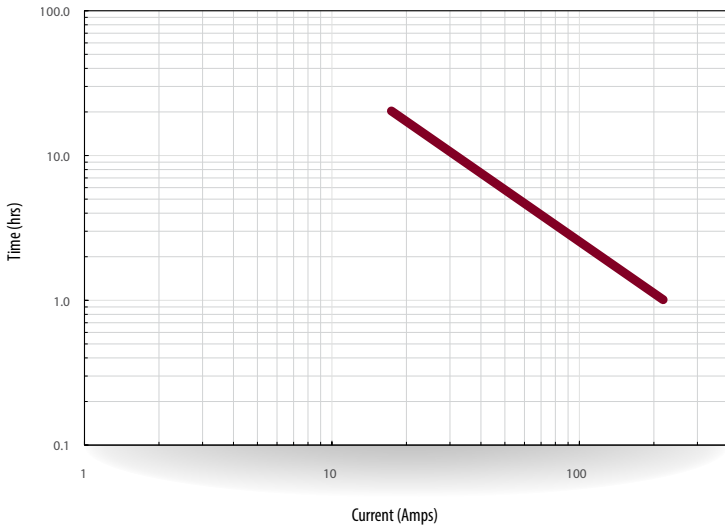
Dimensions ^c Inches (mm)



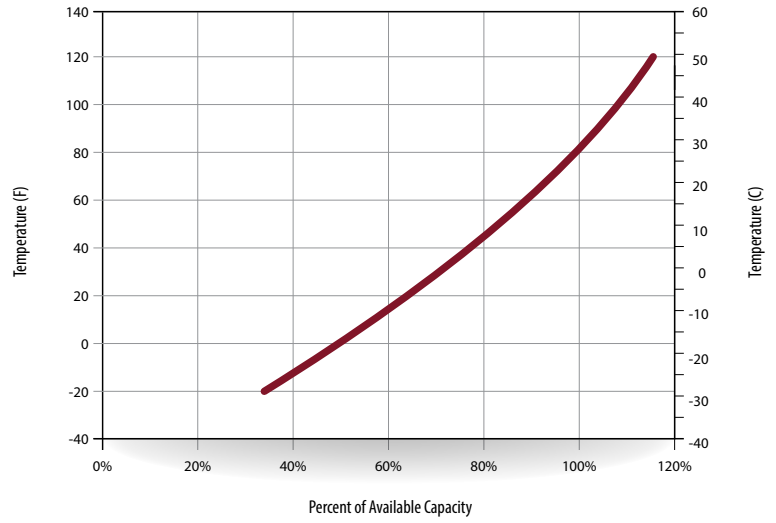
CONSTANT CURRENT DISCHARGE DATA (AMPERES AT 77°F (25°C))

| End of Discharge Voltage per Cell | 30 Min. | 1 Hr. | 2 Hr. | 3 Hr. | 4 Hr. | 5 Hr. | 6 Hr. | 8 Hr. | 10 Hr. | 12 Hr. | 20 Hr. |
|-----------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | 0:30 | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 | 8:00 | 10:00 | 12:00 | 20:00 |
| 1.60 | 340.0 | 231.0 | 135.0 | 92.0 | 72.2 | 60.0 | 50.8 | 39.4 | 33.0 | 28.1 | 18.7 |
| 1.65 | 330.0 | 225.0 | 133.0 | 90.5 | 71.5 | 59.5 | 50.3 | 39.1 | 32.8 | 27.9 | 18.6 |
| 1.70 | 320.0 | 218.0 | 130.0 | 89.0 | 70.4 | 59.0 | 49.8 | 38.8 | 32.5 | 27.6 | 18.5 |
| 1.75 | 300.0 | 212.0 | 125.0 | 86.4 | 68.0 | 58.0 | 49.5 | 38.6 | 32.3 | 27.4 | 18.5 |
| 1.80 | 275.0 | 190.0 | 119.0 | 82.8 | 65.1 | 55.5 | 47.8 | 37.7 | 31.6 | 26.9 | 18.2 |

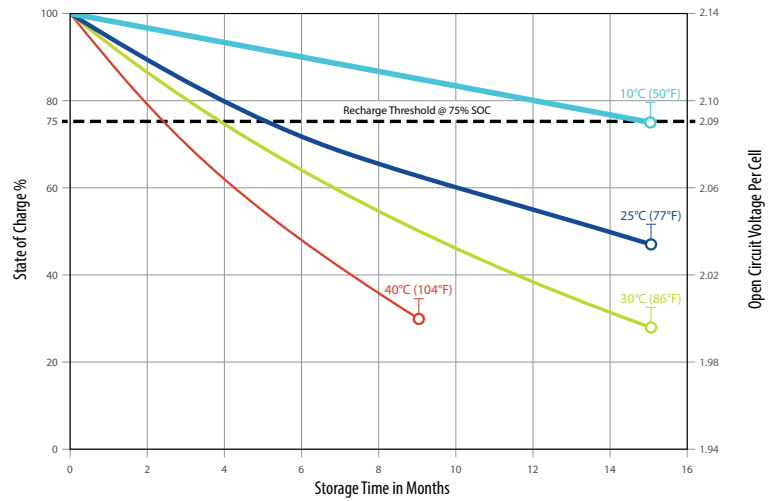
TROJAN L16-AGM PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



SELF DISCHARGE VS. TIME



- 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 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.



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Reliant AGM DS 2016_0812

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