NATIONWIDE BATTERY

MARINE | GOLF | INDUSTRIAL | AUTO | SPECIAL APPLICATIONS | SOLAR

Reliant™

L16-AGM

ALL YOU NEED IS LIFE

- **MAITENANCE FREE – AGM VALVE REGULATED**
  - BCI Group 903, 6V
  - Reserve Capacity [Ah@20hr rate]: 370
  - Reserve Capacity [Ah@100hr rate]: 392
  - Energy [kWh]: 2.35
  - Weight: 114 lbs.
  - Length: 11.66 in (296 mm)
  - Width: 6.94 in (176 mm)
  - Height: 16.41 in (417 mm)
  - M8/LT terminal

Maintenance free

TRUE DEEP CYCLE

C-MAX TECHNOLOGY

Deep-Cycle Reliant AGM

Trojan's Reliant™ Line of U.S.-made Absorbed Glass Mat (AGM) batteries feature design elements that offer a new direction in AGM technology. As the only *true* deep-cycle AGM battery on the market today, Reliant is engineered with an advanced technology feature set that provides outstanding sustained performance and total energy output, delivering the exceptional quality and reliability Trojan batteries are known for.

Trojan BATTERY COMPANY AUTHORIZED DEALER

Trojan BATTERY COMPANY

DATA SHEET

Reliant™

MODEL **L16-AGM**
VOLTAGE **6V**
CAPACITY **370Ah @ 20Hr**
MATERIAL **Polypropylene**
BATTERY COLOR **VRLA AGM / Non-Spillable / Maintenance-Free**
WATERING **Maroon**

6V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Terminal Type [G]	Dimensions [C] Inches (mm)			Weight Lbs.[I] (kg)
			Length	Width	Height [F]	
903	L16-AGM	M8/DT/LT	11.66 (296)	6.94 (176)	16.41 (417)	114 (52)

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity [A] Minutes		Capacity [B] Amp-Hours (Ah)				Energy kWh	Internal Resistance (mΩ)	Short Circuit Current (A)
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		
–	–	817	215	290	323	370	392	2.35	1.7	3650

CHARGING INSTRUCTIONS

	Charger Voltage Settings (at 77°F/25°C)					
System Voltage	6V	8V	12V	24V	36V	48V
Bulk	20% of C20					
Absorption Charge (2.40 VPC)	7.05 – 7.35	9.40 – 9.80	14.10 – 14.70	28.20 – 29.40	42.30 – 44.10	56.40 – 58.80
Float Charge (2.25 VPC)	7.35	9.80	14.70	29.40	44.10	58.80

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

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

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

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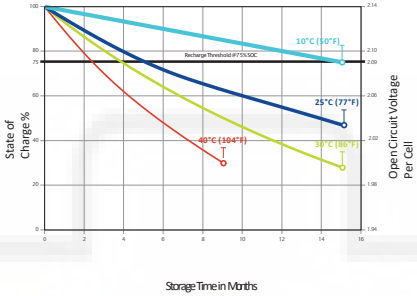
MADE IN USA · C-MAX TECHNOLOGY · TRUE DEEP CYCLE · TROJAN SINCE 1925 QUALITY

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

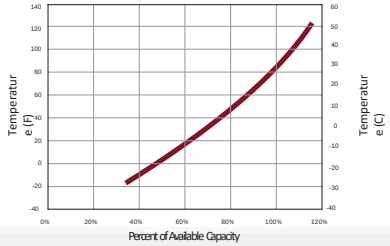
COMPLIES WITH BCIS-21 (DOT/IATA) · NOT RESTRICTED FOR SURFACE TRANSPORT – CLASSIFIED AS NON-HAZARDOUS MATERIAL · TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV – ISO 9001:2008

NATIONWIDE BATTERY

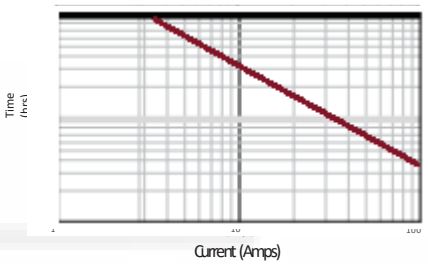
SELF DISCHARGE VS. TIME[E]



CAPACITY VS. OPERATING TEMPERATURE

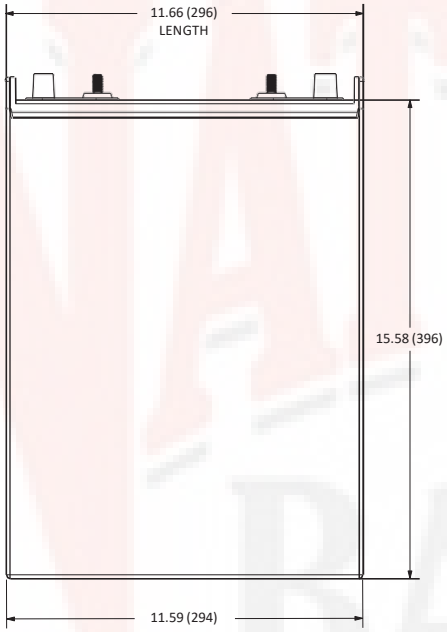


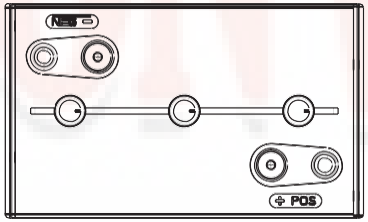
TROJAN L16-AGM PERFORMANCE

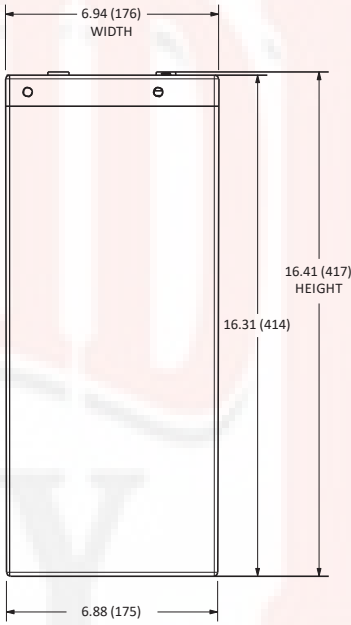


BATTERY DIMENSIONS

Dimensions Inches (mm) - shown with M8, height is 12.07 with LT







TERMINAL CONFIGURATIONS

D

M8 with LT Adapter (adapter provided but not installed)

Battery Height with Terminal in Inches (mm)

11.41 (290)

Torque Values: in-lb (Nm)

Connection to M8: 85 – 90 (10 – 11)
Connection to AP: 50 – 70 (6 – 8)

M8

Battery Height with Terminal in Inches (mm)

10.57 (268)

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)

12.07 (307)

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

A. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 86°F (30°C) for all rates and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
B. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
C. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
D. Terminal images are representative only.
E. A boost charge should be performed every 6 months when batteries are in storage.
F. Weight may vary.

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