Marine and RV

Aerial Work Platform / Access
Floor Cleaning

Golf / Utility Vehicle / NEV Material Handling

Marine / RV Transportation

Renewable Energy / Backup

Trojan

Battery Company

Clean energy for life.

Made in USA
The Lure of the Great Outdoors...

Trolling the lake for the prize-winning bass, driving cross country for the annual RV rally, hauling your gear for a weekend of camping or sailing the ocean on a breezy summer’s day... whatever your passion nothing brings you closer to the great outdoors than enjoying it from your favorite boat or RV. To ensure a day of fun in the sun, reliable batteries are the heart to powering your boating and RV activities.

Since 1925, Trojan Battery has engineered the world’s most reliable, long-lasting, deep-cycle batteries specifically designed to meet the demands of the avid RV’er and recreational boater. Trojan offers the broadest portfolio of recreational batteries to meet your specific house power and starting applications. Ranging from our deep-cycle flooded series to our maintenance-free AGM and gel batteries there’s no better power solution than the proven technology of Trojan. Wherever the road or water may take you, Trojan batteries will be along for the ride.
Deep-Cycle Flooded Batteries...
Rugged Durability and Long Life

Trojan’s deep-cycle flooded batteries are the flagship of Trojan’s product portfolio. Engineered to provide rugged durability, outstanding performance and long life, Trojan’s deep-cycle flooded batteries are perfectly suited for use in a variety of recreational applications. An all-around power house, the deep-cycle flooded batteries feature Trojan’s historically-proven engineering with T2 Technology™, an advanced battery technology for maximum sustained performance, longer life and increased total energy.

1. **Alpha Plus® Paste with T2 Technology™**
   **Maximum Operating Performance**
   Trojan’s Alpha Plus Paste is a proprietary, high density paste formulation engineered to deliver outstanding battery performance. It optimizes porosity development in the active material utilizing the active material more effectively resulting in sustained battery performance over a longer period of time. Trojan’s T2 Technology introduces a patent-pending T2 metal agent into Alpha Plus Paste strengthening its electrochemical processing capabilities. Alpha Plus Paste with T2 Technology increase both sustained capacity and total overall ampere-hours resulting in more operating power. It’s a key reason why Trojan batteries consistently outperform the competition.

2. **Trojan Grid Technology**
   **Reduced Downtime**
   Trojan’s grid technology is a lead antimony alloy grid mixture formulated specifically for use with Trojan’s Alpha Plus Paste with T2 Technology. The grid formulation provides exceptional structural adhesion between the Alpha Plus Paste and the grid frame. Thick grids reinforce the strength of the frame and reduce overall corrosion. The grid configuration is optimized to enhance current flow through the grid network providing exceptional battery performance, reducing downtime and lowering overall maintenance costs.

3. **Maxguard® T2 Separator**
   **Longer Battery Life**
   Exclusively available in Trojan batteries is our Maxguard T2 advanced separator. Its multi-rib geometry design keeps acid channels open longer enhancing electrochemical processing while reducing the risk of stratification. Maxguard’s proprietary rubber-based material formulation inhibits antimony transfer between the positive grids and negative plates; a protection not available in many other competitor batteries. A newly fortified, thick back web provides even greater separator strength resulting in a more robust battery with increased protection against failures caused by separator degradation. Trojan’s Maxguard T2 advanced separator sustains performance, provides longer battery life and significantly lowers operating costs.
Reliant AGM is ideal for locations such as hospitals, schools, airports and other facilities impacted by indoor environmental quality and other health, safety and environmental regulations. Trojan’s line of non-spillable, deep-cycle AGM products are built in the USA at our state-of-the-art manufacturing facility in Sandersville, Georgia and were designed specifically for deep-cycle performance by Trojan’s engineering team.

Reliant’s unique C-Max Technology incorporates a wide range of features not found in many of today’s AGM battery offerings. These combined elements deliver increased total energy output, maximized sustained performance, consistent quality, and enhanced durability.

- Proprietary paste maximizes sustained performance and increases total energy
- The unique separator protects against stratification and extends battery life
- The plastic polymer case increases durability and provides higher battery cell compression to ensure reliable performance
- Flame arrestors provide maximum battery safety
- Manufacturing excellence delivers consistent battery quality for dependable battery functionality in deep-cycle AGM applications

Trojan has developed Reliant™ AGM with C-Max Technology™ for outdoor recreational vehicles and marine applications that require deep-cycling power in a non-spillable battery design.
Sealed Maintenance-Free Batteries...
Outstanding Performance and Reliability

**Deep-Cycle AGM Batteries**
Trojan's deep-cycle absorbed glass mat (AGM) sealed, maintenance-free batteries feature a number of design elements to provide optimum performance. Robust plates extend the life cycle of Trojan's deep-cycle AGM batteries. A separator of glass fibers serves to isolate the positive and negative plates while acting as a blotter to absorb the electrolyte. The separator is maintained under compression between plates to assure contact with plate surfaces. A computer-generated grid design is optimized for high-power density. Low calcium grid alloy reduces gas emissions and a flame arresting, one-way pressure relief vent prevents buildup of excessive pressure. Trojan's deep-cycle AGM batteries are low-temperature tolerant, shock and vibration resistant and have a low internal resistance for higher discharge current and higher charging efficiency. Designed with advanced battery technology, Trojan AGM batteries deliver dependable power with long battery life.

**Deep-Cycle Gel Batteries**
Trojan's non-spillable, maintenance-free gel batteries deliver superior power in demanding recreational vehicles and marine applications. Engineered for rugged durability, outstanding performance and long battery life, Trojan's deep-cycle gel batteries feature a proprietary gel formulation which provides consistent performance. Its active material effectively adheres to the heavy-duty thick grids supplying concentrated energy to the terminals, while premium grade, double-insulated separators allow maximum charge flow between the plates for optimum power. The durability, reliability and performance of Trojan's deep-cycle gel batteries offer significant advantages over competing gel products.
Proper maintenance and periodic watering are important factors in maximizing the performance and life of Trojan deep-cycle, flooded batteries. Battery maintenance can be a costly, time-consuming and messy job. With Trojan’s HydroLink™ advanced, single-point watering system, precise battery watering is made easy saving valuable time and money.

**Convenient Installation**

Trojan’s HydroLink watering system is specifically designed to work with Trojan’s 6-volt, 8-volt and 12-volt flooded batteries* and takes the guess work out of properly watering flooded batteries. In addition, the design of the HydroLink watering system prevents direct access to a battery’s electrolyte and reduces acid splash, enhancing safety during the battery watering process. With a simple installation of the HydroLink manifolds and tubing, the system is ready for use. Once installed, a complete set of batteries can be filled in less than 30 seconds.

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*HydroLink is not compatible with all batteries. See warranty for details: www.trojanbattery.com/products/hydrolink-watering-system/*

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**Product Specification Guide**

<table>
<thead>
<tr>
<th>BCI GROUP SIZE</th>
<th>TYPE</th>
<th>CAPACITY a Minutes</th>
<th>CRANKING Performance</th>
<th>CAPACITY b Amp-Hours (Ah)</th>
<th>ENERGY kWh</th>
<th>TERMINAL Type c</th>
<th>DIMENSIONS d Inches (mm)</th>
<th>WEIGHT lbs. (kg)</th>
<th>HydroLink™ or Single-Point Watering Kit e</th>
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<tr>
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<td>24TX</td>
<td>140</td>
<td>36</td>
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<td>94</td>
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<td>175</td>
<td>45</td>
<td>85</td>
<td>97</td>
<td>105</td>
<td>117</td>
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<td>921</td>
<td>J18SH-AC*</td>
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<td>121</td>
<td>185</td>
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<td>225</td>
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<td>36</td>
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<td>30H</td>
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<td>225</td>
<td>57</td>
<td>665</td>
<td>820</td>
<td>105</td>
<td>118</td>
<td>130</td>
<td>1.73</td>
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</table>
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.

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.

Dimensions may vary depending on type of handle or terminal. Batteries to be mounted with .5 inches (12.7mm) spacing minimum.

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.

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.

Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

Terminal images are representative only.

N/A = Not Available. For more information on HydroLink™ or the Single-Point Watering Kit (SPWK), please contact your Trojan Battery representative. Gel and AGM batteries do not require watering.

Weight may vary.

Trojan’s battery testing procedures adhere to both BCI and IEC test standards.

**Polyon™ Case**

<table>
<thead>
<tr>
<th>BCI GROUP SIZE</th>
<th>TYPE</th>
<th>CAPACITY a Minutes</th>
<th>CRANKING Performance</th>
<th>CAPACITY b Amp-Hours (Ah)</th>
<th>ENERGY (kWh)</th>
<th>TERMINAL Type c</th>
<th>DIMENSIONS d Inches (mm)</th>
<th>WEIGHT lbs. (kg)</th>
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<tr>
<td>24</td>
<td>24-GEL</td>
<td>147</td>
<td>—</td>
<td>66</td>
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<tr>
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<td>27-GEL</td>
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<td>76</td>
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<td>7</td>
<td>12.73 (323)</td>
<td>6.38 (173)</td>
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<td>31-GEL</td>
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<td>7</td>
<td>12.94 (329)</td>
<td>6.82 (173)</td>
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**6 VOLT RELIANT™ DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™**

<table>
<thead>
<tr>
<th></th>
<th>Type</th>
<th>Capacity a Minutes</th>
<th>CRANKING Performance</th>
<th>Capacity b Amp-Hours (Ah)</th>
<th>Energy (kWh)</th>
<th>Terminal Type c</th>
<th>Dimensions d Inches (mm)</th>
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<tr>
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<td>T105-AGM</td>
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<td>115</td>
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<td>187</td>
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<td>902</td>
<td>J305-AGM</td>
<td>670</td>
<td>185</td>
<td>—</td>
<td>250</td>
<td>273</td>
<td>310 (296)</td>
<td>6.94 (176)</td>
<td>14.09 (358)</td>
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<tr>
<td>903</td>
<td>L16-AGM</td>
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<td>215</td>
<td>—</td>
<td>290</td>
<td>323</td>
<td>370 (296)</td>
<td>6.94 (176)</td>
<td>16.41 (417)</td>
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**12 VOLT RELIANT™ DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™**

<table>
<thead>
<tr>
<th></th>
<th>Type</th>
<th>Capacity a Minutes</th>
<th>CRANKING Performance</th>
<th>Capacity b Amp-Hours (Ah)</th>
<th>Energy (kWh)</th>
<th>Terminal Type c</th>
<th>Dimensions d Inches (mm)</th>
<th>Weight lbs. (kg)</th>
<th>HydroLink™ or Single-Point Watering Kit e</th>
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<tr>
<td>31</td>
<td>31-AGM</td>
<td>177</td>
<td>600</td>
<td>82</td>
<td>100</td>
<td>111</td>
<td>1.33 (173)</td>
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<td>31 OverDrive</td>
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**6 VOLT DUAL-PURPOSE AGM BATTERY**

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<th>Capacity a Minutes</th>
<th>CRANKING Performance</th>
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<th>Energy (kWh)</th>
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<th>Dimensions d Inches (mm)</th>
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<td>137</td>
<td>500</td>
<td>600</td>
<td>67</td>
<td>70</td>
<td>76 (274)</td>
<td>6.84 (174)</td>
<td>8.62 (219)</td>
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<tr>
<td>27</td>
<td>27-AGM</td>
<td>158</td>
<td>550</td>
<td>660</td>
<td>67</td>
<td>70</td>
<td>76 (274)</td>
<td>6.84 (174)</td>
<td>8.62 (219)</td>
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**12 VOLT DEEP-CYCLE AGM BATTERIES**

<table>
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<tr>
<th></th>
<th>Type</th>
<th>Capacity a Minutes</th>
<th>CRANKING Performance</th>
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<th>Energy (kWh)</th>
<th>Terminal Type c</th>
<th>Dimensions d Inches (mm)</th>
<th>Weight lbs. (kg)</th>
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<tr>
<td>80</td>
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<td>1450</td>
<td>1850</td>
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<td>210</td>
<td>230 (296)</td>
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**Terminal Configurations**

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<th>5</th>
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<tr>
<td>ELPT</td>
<td>EHPT</td>
<td>EAPT</td>
<td>EUT</td>
<td>LT</td>
<td>DT</td>
<td>UT</td>
<td>AP</td>
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- Embedded Low Profile
- Embedded High Profile
- Embedded Automotive Post
- Embedded Universal
- L-Terminal
- Automotive Post & Stud
- Universal
- Automotive Post

<table>
<thead>
<tr>
<th>9</th>
<th>10</th>
<th>11</th>
<th>15</th>
<th>16</th>
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<tbody>
<tr>
<td>WNT</td>
<td>DWNT</td>
<td>ST</td>
<td>M6/M8</td>
<td>SLT</td>
</tr>
</tbody>
</table>

- Wingnut
- Dual Wingnut
- Stud
- 6mm/8mm Insert
- Small L-Terminal
Leadership

Founded in 1925 by co-founders George Godber and Carl Speer, Trojan Battery Company is the world’s leading manufacturer of deep-cycle batteries. From deep-cycle flooded batteries to deep-cycle AGM and gel batteries, Trojan has shaped the world of deep-cycle battery technology with over 90 years of battery manufacturing experience. With the invention of the golf car battery for the Autoette vehicle in 1952, Trojan pioneered the development of deep-cycle battery technology for the golf industry; successfully introducing mobilization to the game of golf. For Trojan, this began a legacy of leadership and innovation that prevails today in the global, deep-cycle markets spanning applications for marine and recreational vehicles, aerial work platforms, transportation, renewable energy, golf, and floor machines. Today, Trojan batteries are available worldwide through our global network of master distributors.

Headquartered in Santa Fe Springs, CA, Trojan’s operations include ISO 9001:2015 certified manufacturing plants in California and Georgia, three advanced research and development centers dedicated exclusively to deep-cycle battery technologies and international offices located in Europe, UAE and Asia. Trojan is a proud member of the Battery Council International (BCI) and a technical research partner with the Bulgarian Academy of Sciences.

Research and Development

Quality and innovation are the cornerstones of our product development. Engineering teams, backed by over 200 years of deep-cycle development expertise, work together to innovate and bring to market advanced battery technologies that exceed our customers’ expectations for outstanding battery performance.

To ensure the quality and superior performance of our batteries, Trojan applies the most rigorous testing procedures in the industry to test for cycle life, capacity, charger algorithms and both physical and mechanical integrity. Trojan’s battery testing procedures adhere to both BCI and IEC test standards. Trojan’s state-of-the-art R&D facilities include charger characterization and analytical labs, battery prototype and evaluation labs and battery autopsy centers all dedicated to providing you with a superior battery that you can rely on.

Environmental Stewardship

At Trojan Battery, when we say, “Clean energy for life™,” we mean every word. As proactive supporters of environmental sustainability, our environmental stewardship focuses on clean energy initiatives and recycling programs.

- Trojan batteries are 99% recyclable. The container plastic, battery lead and electrolyte from old deep-cycle batteries can be recycled to produce new deep-cycle batteries.
- Through its partnership with Southern California Edison (SCE) Trojan saves over 8 million kilowatt hours and cuts CO2 emissions by over 12 million pounds significantly reducing our annual energy consumption and carbon footprint.

For more information, call 800.423.6569 or + 1.562.236.3000 or visit www.trojanbattery.com

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