RELIABLE, DURABLE BATTERIES FROM THE NAME YOU TRUST

MEWP
MOBILE ELEVATED WORK PLATFORMS

TROJAN BATTERY COMPANY

MADE IN THE USA

RELIABLE, DURABLE BATTERIES FROM THE NAME YOU TRUST
With nearly 100 years of powering business and industry, Trojan has grown to be the world’s leading supplier of deep-cycle batteries, and the Trojan name is synonymous with reliability, long-life, and high-performance.

Dependability is everything in your business. If your equipment fails due to inconsistent power, you can’t do your job. Whether you’re changing LED high bay lights in a sports arena, or installing ductwork in a high-rise, you need to be able to count on your batteries to power you through every task.

This is why your industry chooses Trojan. For decades, Trojan deep-cycle batteries have provided exceptional uptime, lower cost of ownership, enhanced life and unsurpassed durability for mobile elevated work platforms (MEWP). Trojan is delivering new battery solutions for your industry with our Trillium® Intelligent Lithium, which is truly a superior battery with advanced features that delivers more runtime, lifetime, and peace of mind. When you need reliable power, trust in Trojan to do all the heavy lifting.

We’re Trojan Battery. We’re CHARGING FORWARD.
MORE RUNTIME, LIFETIME, AND PEACE OF MIND

Designed and engineered in the United States, Trillion® can be used in a variety of MEWP applications. From its superior cell and battery design to its intelligent, built-in diagnostics, Trillion offers a range of advanced safety, environmental, and electronic features not found in competitors’ products. With a life expectancy well over 5,000 cycles and legendary Trojan quality, Trillion delivers outstanding return on investment over time.

ADVANCED FEATURES

Automotive-Grade Safety Systems
Trillion’s microprocessor-controlled safety system protects it against rigorous abuse and extreme demands.

CAN Communications*
Provides the ability to track lifetime amp-hours, throughput, and historical fault data storage.

True Lead-Acid Replacement
No additional systems integration or specialized chargers are needed. Install Trillion, and it works.

Rugged and Durable
Trillion features automotive-grade components for durability and safety. It’s waterproof and dust-proof, with an IP67 environmental rating—the highest in its class.

Superior Performance
Trillion gives you more runtime and longer life than other batteries in its class and delivers consistent power across the state of charge range. It’s 20% smaller than competitors’ batteries, can be charged in less than two hours, and is scalable up to 48 volts.

* TR 12.8-92 only
MOTIVE

INNOVATIVE DEEP-CYCLE FLOODED BATTERIES

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 MEWP applications. These powerful deep-cycle flooded batteries feature Trojan’s historically-proven engineering and T2 Technology,™ an advanced battery technology for maximum sustained performance, longer life and increased total energy.

HYDROLINK WATERING SYSTEM

Battery Watering Made Easy
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, a complete set of batteries can be filled in less than 30 seconds.

*HydroLink is not compatible with Plus Series™ batteries. See warranty for details: www.trojanbattery.com/products/hydrolink-watering-system/
Engineered specifically to meet the increasing demands of today’s mobile elevated work platforms, Trojan’s T2 Technology™ builds upon our historically-proven technology and incorporates improvements resulting in a superior battery with maximum sustained performance, longer life and increased total energy.

1. **Alpha Plus® Paste with T2 Technology**
   Optimizes porosity development in the active material resulting in sustained battery performance over a longer period of time.

2. **Trojan Grid Technology**
   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**
   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 competitors’ 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.
MOTIVE DEEP-CYCLE AGM BATTERIES with C-Max Technology™

Trojan has developed AGM batteries with C-Max Technology™ for a wide range of applications that require deep-cycling power such as MEWP. These batteries deliver increased total energy output, maximized sustained performance, consistent quality, and enhanced durability.

C-MAX TECHNOLOGY INCORPORATES A WIDE RANGE OF FEATURES NOT FOUND IN MANY AGM BATTERY OFFERINGS:

- Proprietary paste maximizes sustained performance and increases total energy.
- Unique separator protects against stratification and extends battery life.
- Plastic polymer case is extremely durable and provides higher battery cell performance to ensure reliability.
- Flame arrestors provide maximum safety.

DEEP-CYCLE GEL BATTERIES

Trojan’s non-spillable, maintenance-free Gel batteries deliver superior power in demanding MEWP applications. Proprietary formulations provide consistent performance and significant advantages over competing products. Active material adheres to the thick, heavy-duty grids to supply concentrated energy to the terminals while double-insulated separators maximize charge flow between the plates for optimal power.

MOTIVE AGM AND GEL DOD VS. CYCLE LIFE

<table>
<thead>
<tr>
<th>Depth of Discharge</th>
<th>AGM Line</th>
<th>Gel Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>20%</td>
<td>3500</td>
<td>3000</td>
</tr>
<tr>
<td>30%</td>
<td>3000</td>
<td>2500</td>
</tr>
<tr>
<td>40%</td>
<td>2500</td>
<td>2000</td>
</tr>
<tr>
<td>50%</td>
<td>2000</td>
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<tr>
<td>70%</td>
<td>1000</td>
<td>500</td>
</tr>
<tr>
<td>80%</td>
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</table>

KEY FEATURES

MOTIVE 6-VOLT AGM
- C-Max Technology
- Proprietary Paste
- Premium Separator

MOTIVE 12-VOLT AGM
- Durable Case
- Flame Arrestors

MOTIVE 6-VOLT GEL
- Proprietary Gel
- Premium Separator
- Rugged Construction

MOTIVE 6-VOLT GEL
### PRODUCT SPECIFICATION GUIDE

#### TRUILLUM® DEEP-CYCLE LITHIUM BATTERIES

<table>
<thead>
<tr>
<th>BCI GROUP</th>
<th>MODEL NAME</th>
<th>SIZE</th>
<th>VOLTAGE</th>
<th>AMP-HOURS (Ah)</th>
<th>ENERGY (kWh)</th>
<th>民間</th>
<th>TERMINAL TYPE</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
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</thead>
<tbody>
<tr>
<td>24</td>
<td>TR 12.8-92 LI-ION</td>
<td>T-145</td>
<td>12.8V</td>
<td>92Ah (1.177Wh)</td>
<td>92</td>
<td>92.5</td>
<td>Fixed @ 400 Amps</td>
<td>M6-1.25 Threaded Hole</td>
<td>10.16 (256)</td>
<td>6.61 (168)</td>
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<tr>
<td>27</td>
<td>TR 12.8-110 LI-ION</td>
<td>T-1275</td>
<td>12.8V</td>
<td>110Ah (1.440Wh)</td>
<td>110</td>
<td>110</td>
<td>Fixed @ 500 Amps</td>
<td>5/16’-18 Stud and 1/4’-20 Threaded Hole</td>
<td>12.07 (307)</td>
<td>6.57 (167)</td>
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<tr>
<td>U1</td>
<td>TR 25.4-25 LI-ION</td>
<td>T-605</td>
<td>25.6V</td>
<td>25Ah (6.040Wh)</td>
<td>25</td>
<td>25</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
<td>7.76 (197)</td>
<td>5.20 (132)</td>
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#### 6 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY

<table>
<thead>
<tr>
<th>BCI GROUP</th>
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</thead>
<tbody>
<tr>
<td>400</td>
<td>JR35E-AC</td>
<td>GC2</td>
<td>12V</td>
<td>45Ah (0.546Wh)</td>
<td>45</td>
<td>45</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
<td>7.83 (200)</td>
<td>5.47 (139)</td>
</tr>
<tr>
<td>500</td>
<td>JR35F-AC</td>
<td>GC2</td>
<td>12V</td>
<td>55Ah (0.661Wh)</td>
<td>55</td>
<td>55</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
<td>7.83 (200)</td>
<td>5.47 (139)</td>
</tr>
<tr>
<td>600</td>
<td>JR35F-AC</td>
<td>GC2</td>
<td>12V</td>
<td>65Ah (0.766Wh)</td>
<td>65</td>
<td>65</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
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#### 12 VOLT DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY

<table>
<thead>
<tr>
<th>BCI GROUP</th>
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<tbody>
<tr>
<td>10</td>
<td>JR35E-AGM</td>
<td>GC2</td>
<td>12V</td>
<td>105Ah (1.265Wh)</td>
<td>105</td>
<td>105</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
<td>7.83 (200)</td>
<td>5.47 (139)</td>
</tr>
<tr>
<td>12</td>
<td>JR35F-AGM</td>
<td>GC2</td>
<td>12V</td>
<td>125Ah (1.475Wh)</td>
<td>125</td>
<td>125</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
<td>7.83 (200)</td>
<td>5.47 (139)</td>
</tr>
</tbody>
</table>

#### 6 VOLT DUAL-PURPOSE AGM BATTERY

<table>
<thead>
<tr>
<th>BCI GROUP</th>
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<tbody>
<tr>
<td>600</td>
<td>6V-125AGM</td>
<td>GC2</td>
<td>6V</td>
<td>125Ah (1.500Wh)</td>
<td>125</td>
<td>125</td>
<td>Fixed @ 125 Amps</td>
<td>M6-1.0 Threaded Hole</td>
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#### 12 VOLT DEEP-CYCLE GEL BATTERIES

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#### TERMINAL CONFIGURATIONS

1. ELPT - Embedded Low Profile
2. EHPT - Embedded High Profile
3. EAPT - Embedded Automotive Post
4. EUT/R - Embedded Universal/Reverse
5. LT - L-Terminal
6. DT - Automotive Post & Stud
7. UT - Universal
8. AP - Automotive Post
9. WNT - Wing Nut
10. DWNT - Double Wing Nut
11. ST - Stud
12. Cable & Plug
15. M6/M8 - Hexagonal Insert

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 Vdc. 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 Vdc. Capacities are based on peak performance.
C. Dimensions may vary depending on type of handle or terminal. Batteries to be mounted with .5 inches (12.7 mm) spacing minimum.
D. HydroLink™ or Single-Point Watering Kit
E. Terminal images are representative only.
F. Terminal shapes are representative only.
G. Weight may vary.
H. 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.

* Polyform® Case

Trojan’s battery testing procedures adhere to both IEC and ECE test standards.
LEADING THE CHARGE YESTERDAY, TODAY, AND TOMORROW.

You don’t become the world’s leading manufacturer of deep-cycle batteries by following others or being satisfied with the status quo. At Trojan, we have a long-established reputation for leadership, innovation, and a commitment to unsurpassed quality in every product we design and manufacture.

◆ Trojan made a name for itself in the golf car battery industry starting in 1952. Today we are a leader in deep-cycle markets with applications for mobile elevated work platforms, transportation, renewable energy, floor machines, golf, marine, and recreational vehicles.

◆ We believe in the power of research and development and dedicate significant resources to bringing advanced battery technologies to market.

◆ Quality is at the heart of everything we do, and every battery we design and manufacture is subjected to the most rigorous industry testing procedures.

ENVIRONMENTAL STEWARDSHIP

We are proactive supporters of environmental sustainability. Trojan’s 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 flooded, AGM, and Gel batteries can be recycled to produce new deep-cycle batteries.

Your Local Trojan Battery Representative:

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