



MEWP

MOBILE ELEVATED WORK PLATFORMS

RELIABLE, DURABLE
BATTERIES FROM THE
NAME YOU TRUST



WE'RE FIRST— BECAUSE THEY LAST.

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.**

TRILLIUM™

TROJAN INTELLIGENT LITHIUM

MORE RUNTIME, LIFETIME, AND PEACE OF MIND

Designed and engineered in the United States, Trillium can be used in a variety of MEWP applications. From its superior cell and battery design to its intelligent, built-in diagnostics, Trillium 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, Trillium delivers outstanding return on investment over time.

Accessory

Ask your Trojan Representative for the TR 12.8-92 Li-Ion accessory to match the height of the Trojan T-105 Battery.



ADVANCED FEATURES

Automotive-Grade Safety Systems

Trillium'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 Trillium, and it works.

Rugged and Durable

Trillium 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

Trillium 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.

KEY FEATURES



TR 12.8-92 LI-ION

Microprocessor	Cell Balancing
CAN Communications	Amp-Hour Life Tracking
SOC Gauge	Battery Management System



TR 12.8-110 LI-ION

Microprocessor	Amp-Hour Life Tracking
SOC Gauge	Battery Management System
Cell Balancing	



TR 25.6-25 LI-ION

Cell Balancing

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/



Screw-On Cap



Flip-Top Cap

THE T2 ADVANCED BATTERY TECHNOLOGY DIFFERENCE

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

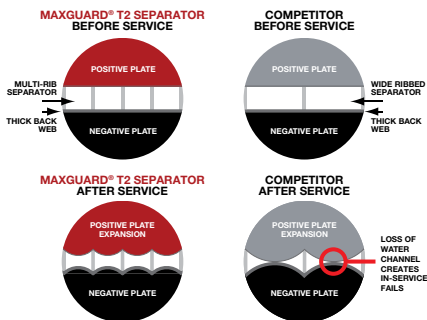
Optimizes porosity development in the active material resulting in sustained battery performance over a longer period of time.

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 6-VOLT



RUGGED MOTIVE 6-VOLT



MOTIVE 12-VOLT

KEY FEATURES

Trojan Grid Technology
Maxguard® T2 Separator
HydroLink™ System*
Durable Case

Alpha Plus® Paste with T2 Technology™
Polyon™ Case**
Optional Flip-Top Cap***

* HydroLink is not compatible with all batteries.
** Available on the J305P-AC, J305H-AC, L16P-AC, and L16H-AC.
*** Available on Plus Series

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.



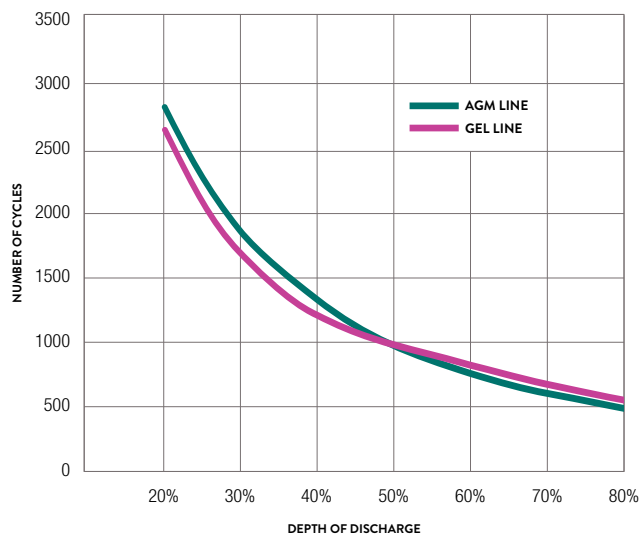
C-MAX TECHNOLOGY INCORPORATES A WIDE RANGE OF FEATURES NOT FOUND IN MANY AGM BATTERY OFFERINGS:

- ◆ 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



MOTIVE 6-VOLT AGM

MOTIVE 12-VOLT AGM

KEY FEATURES

- C-Max Technology
- Proprietary Paste
- Premium Separator
- Durable Case
- Flame Arrestors



MOTIVE 6-VOLT GEL

MOTIVE 6-VOLT GEL

KEY FEATURES

- Proprietary Gel
- Premium Separator
- Rugged Construction

PRODUCT SPECIFICATION GUIDE

BCI GROUP SIZE	MODEL NAME	VOLTAGE	NOMINAL CAPACITY	CAPACITY AMP-HOURS (Ah)			ENERGY (kWh)	SHORT CIRCUIT CURRENT (A)	TERMINAL TYPE	DIMENSIONS ° INCHES (mm)			WEIGHT ° LBS. (kg)
				5-Hr (18A)	10-Hr (9A)	20-Hr (5A)				20-Hr	LENGTH	WIDTH	
TRILLIUM™ DEEP-CYCLE LITHIUM BATTERIES													
24	TR 12.8-92 LI-ION	12.8V	92Ah (1,177Wh)	92	92	92.5	1.18	Fused @ 400 Amps	M8-1.25 Threaded Hole	10.2 (259)	6.6 (168)	8.5 (216)	27 (12.2)
27	TR 12.8-110 LI-ION	12.8V	110Ah (1,408Wh)	110	110	111	1.42	Fused @ 500 Amps	5/16"-18 Stud and 1/4"-20 Threaded Hole	12.1 (307)	6.6 (168)	8.7 (221)	30 (13.6)
U1	TR 25.6-25 LI-ION	25.6V	25Ah (640Wh)	25	25	25.5	0.65	Fused @ 125 Amps	M6-1.0 Threaded Hole	7.8 (198)	5.2 (132)	6.8 (173)	11.7 (5.3)

BCI GROUP SIZE	MODEL NAME	CAPACITY ° MINUTES			CAPACITY ° AMP-HOURS (Ah)				ENERGY (kWh)	TERMINAL TYPE °	DIMENSIONS ° INCHES (mm)			WEIGHT ° LBS. (kg)	HYDROLINK™ OR SINGLE-POINT WATERING KIT °
		@25 AMPS	@56 AMPS	@75 AMPS	5-Hr RATE	10-Hr RATE	20-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH		
6 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™															
GC2	T-605	383	—	105	175	193	210	232	1.39	1, 2, 3	10.30 (262)	7.13 (181)	11.15 (283)	58 (26)	HydroLink
GC2	T-105	447	—	115	185	207	225	250	1.50	1, 2, 3, 4	10.30 (262)	7.13 (181)	11.15 (283)	62 (28)	HydroLink
GC2	T-105 PLUS	447	—	115	185	207	225	250	1.50	1, 2, 3	10.30 (262)	7.11 (181)	11.07 (281)	62 (28)	N/A
GC2	T-125	488	—	132	195	221	240	266	1.60	1, 2, 3, 4	10.30 (262)	7.13 (181)	11.15 (283)	66 (30)	HydroLink
GC2	T-125 PLUS	488	—	132	195	221	240	266	1.60	1, 2, 3	10.30 (262)	7.11 (181)	11.07 (281)	66 (30)	N/A
GC2H	T-145	530	—	145	215	239	260	287	1.72	1, 2, 4	10.30 (262)	7.13 (181)	11.91 (303)	72 (33)	HydroLink
GC2H	T-145 PLUS	530	—	145	215	239	260	287	1.72	1, 2	10.30 (262)	7.13 (181)	11.91 (303)	72 (33)	N/A
902	J305E-AC	645	—	160	250	280	305	339	2.03	4	12.35 (314)	6.85 (174)	14.41 (366)	83 (38)	HydroLink
902	J305G-AC	678	—	175	258	290	315	350	2.10	4	12.35 (314)	6.85 (174)	14.41 (366)	88 (40)	HydroLink
902	J305F-AC*	711	—	195	271	304	330	367	2.20	6	11.66 (296)	6.94 (176)	14.42 (366)	96 (44)	Single-Point
902	J305PG-AC*	711	—	195	271	304	330	367	2.20	7	12.17 (309)	6.85 (174)	14.41 (366)	96 (44)	HydroLink
902	J305H-AC*	781	—	215	295	331	360	400	2.40	6	11.66 (296)	6.94 (176)	14.42 (366)	98 (45)	Single-Point
903	L16E-AC	766	—	185	303	340	370	411	2.47	4	12.31 (313)	6.85 (174)	16.41 (417)	99 (45)	HydroLink
903	L16G-AC	789	—	200	320	359	390	433	2.60	4	12.31 (313)	6.85 (174)	16.41 (417)	101 (46)	HydroLink
903	L16P-AC*	850	—	220	344	386	420	467	2.80	6	11.66 (296)	6.94 (176)	16.74 (425)	114 (52)	Single-Point
903	L16PG-AC	850	—	220	344	386	420	467	2.80	7	12.14 (308)	6.85 (174)	16.41 (417)	114 (52)	HydroLink
903	L16H-AC*	935	—	245	357	400	435	483	2.89	6	11.66 (296)	6.94 (176)	16.74 (425)	125 (57)	Single-Point
12 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™															
GC12	T-1260 PLUS	260	90	60	113	126	140	155	1.86	1	12.96 (329)	7.13 (181)	10.71 (272)	78 (35)	N/A
GC12	T-1275	280	102	70	120	134	150	166	1.99	1, 2	12.96 (329)	7.13 (181)	11.13 (283)	85 (39)	HydroLink
GC12	T-1275 PLUS	280	102	70	120	134	150	166	1.99	1	12.96 (329)	7.13 (181)	10.71 (272)	85 (39)	N/A
6 VOLT DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™															
GC2	T105-AGM	440	—	115	171	187	217	230	1.38	5, 8, 15	10.30 (262)	7.06 (179)	10.73 (273)	68 (31)	N/A
902	J305-AGM	670	—	185	250	273	310	329	1.97	5, 6, 15	11.66 (296)	6.94 (176)	14.09 (358)	95 (43)	N/A
903	L16-AGM	817	—	215	290	323	370	392	2.35	5, 6, 15	11.66 (296)	6.94 (176)	16.41 (417)	114 (52)	N/A
12 VOLT DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™															
31	31-AGM	177	—	—	82	92	100	111	1.33	6, 15	12.80 (325)	6.81 (173)	9.37 (238)	67 (30)	N/A
GC12	T1275-AGM	254	—	70	114	126	135	162	1.62	5, 8, 15	12.96 (329)	7.06 (179)	10.96 (278)	83 (38)	N/A
6 VOLT DUAL-PURPOSE AGM BATTERY															
GC2	6V-AGM	385	—	—	154	184	200	221	1.33	6	10.28 (261)	7.08 (180)	10.74 (273)	65 (29)	N/A
12-VOLT DEEP-CYCLE AGM BATTERIES															
24	24-AGM	137	—	—	67	70	76	84	1.01	6	10.77 (274)	6.84 (174)	8.62 (219)	54 (24)	N/A
27	27-AGM	158	—	—	77	82	89	99	1.19	6	12.05 (306)	6.84 (174)	9.32 (237)	64 (29)	N/A
6 VOLT DEEP-CYCLE GEL BATTERIES															
GC2	6V-GEL	394	—	—	154	167	189	198	1.19	6	10.25 (260)	7.08 (180)	10.82 (275)	68 (31)	N/A
DIN	TE35-GEL	479	—	—	180	193	210	220	1.32	8	9.64 (245)	7.51 (191)	10.65 (271)	69 (31)	N/A
12 VOLT DEEP-CYCLE GEL BATTERIES															
27	27-GEL	179	—	—	76	84	91	100	1.20	7	12.73 (323)	6.38 (162)	9.26 (235)	62 (28)	N/A
31	31-GEL	200	—	—	85	94	102	108	1.30	7	12.94 (329)	6.82 (173)	9.64 (245)	70 (32)	N/A
DIN	5SHP-GEL	250	—	—	110	115	125	137	1.64	8	13.58 (345)	6.75 (172)	11.01 (280)	85 (39)	N/A



* Polygon™ Case

- 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 to be mounted with .5 inches (12.7 mm) spacing minimum.

- D. Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- E. Terminal images are representative only.
- F. 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.
- G. Weight may vary.

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

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
Wingnut



10 - DWNT
Double Wingnut



11 - ST
Stud



12
Cable & Plug



15 - M6/M8
6mm/8mm Insert

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:



***DO NOT MIX LITHIUM ION BATTERIES WITH LEAD-ACID BATTERIES WHEN RECYCLING.**



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