

MR MARINE AND RV



 **Trojan**[®]
BATTERY COMPANY
Clean energy for life[™]

Made in USA



THE LURE OF THE GREAT OUTDOORS...

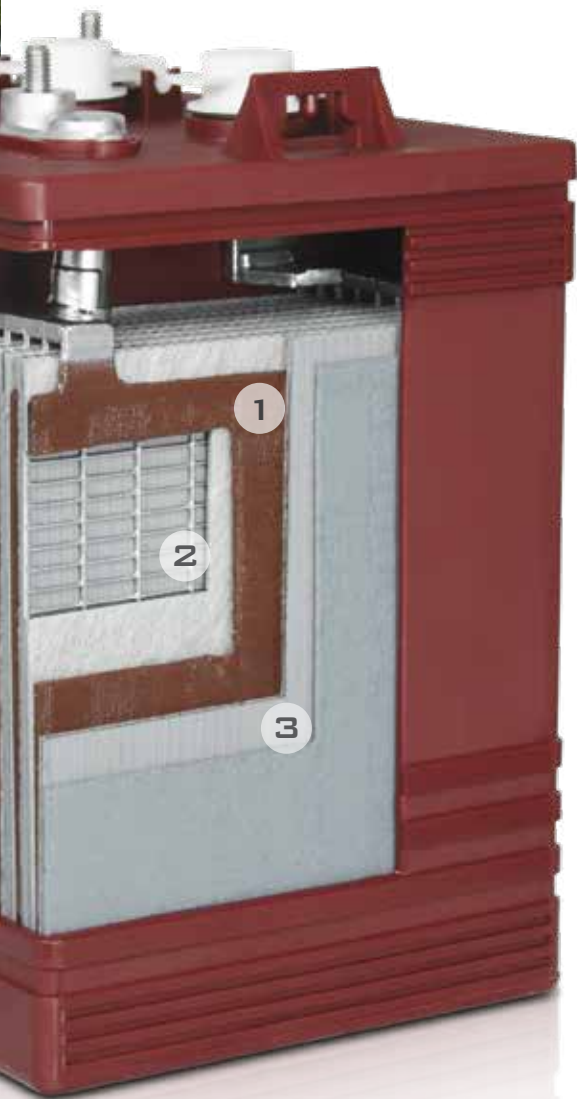
TROLLING THE LAKE FOR THE PRIZE-WINNING BASS, DRIVING CROSS COUNTRY FOR THE ANNUAL RV RALLY, HAULING YOUR GEAR FOR A WEEKEND OF CAMPING OR SAILING THE OCEAN ON A BREEZY SUMMER'S DAY... WHATEVER YOUR PASSION NOTHING BRINGS YOU CLOSER TO THE GREAT OUTDOORS THAN ENJOYING IT FROM YOUR FAVORITE BOAT OR RV. 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.

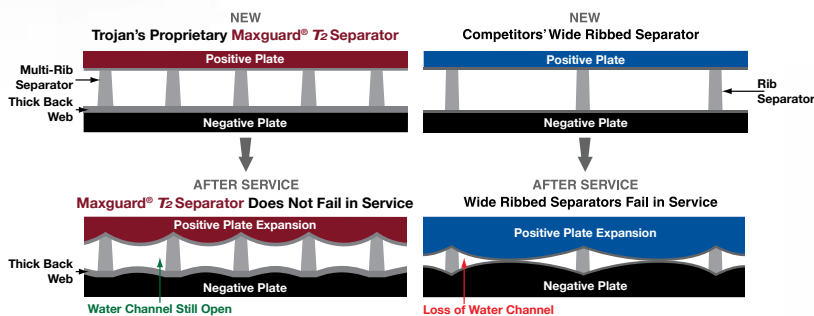
2 Trojan Grid Technology Reduced Downtime

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.

THE MAXGUARD® T2 SEPARATOR DIFFERENCE



Reliant™

Deep-Cycle AGM Batteries

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.

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





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.

Product Specification Guide

BCI GROUP SIZE	TYPE	CAPACITY ^A Minutes		CRANKING Performance		CAPACITY ^B Amp-Hours (Ah)				ENERGY (kWh)	TERMINAL Type ^G	DIMENSIONS ^C Inches (mm)			WEIGHT lbs. (kg) ^I	HydroLink™ or Single-Point Watering Kit ^H
		@25 Amps	@75 Amps	C.C.A. ^D @0°F	C.A. ^E @32°F	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate		Length	Width	Height ^F		
6 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™																
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	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	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™																
24	24TMX	140	36	-	-	70	78	85	94	1.13	7, 8, 9, 16	10.92 (277)	6.62 (168)	9.25 (235)	47 (21)	N/A
27	27TMX	175	45	-	-	85	97	105	117	1.40	7, 8, 9, 16	12.84 (326)	6.60 (168)	9.74 (247)	55 (25)	N/A
921	J185H-AC*	440	121	-	-	185	207	225	249	2.99	6	14.97 (380)	6.91 (176)	14.67 (373)	123 (56)	Single-Point
24	SCS150	150	36	530	650	80	92	100	111	1.33	10	11.30 (286)	6.73 (171)	9.80 (248)	50 (23)	N/A
27	SCS200	200	52	620	760	95	105	115	128	1.54	10	12.80 (324)	6.73 (171)	9.80 (248)	60 (27)	N/A
30H	SCS225	225	57	665	820	105	118	130	144	1.73	10	13.94 (354)	6.75 (171)	9.96 (253)	66 (30)	N/A

HydroLink™ Watering System (For Flooded Batteries Only)

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, the system is ready for use. Once installed, a complete set of batteries can be filled in less than 30 seconds.



Product Specification Guide

BCI GROUP SIZE	TYPE	CAPACITY ^A Minutes		CRANKING Performance		CAPACITY ^B Amp-Hours (Ah)				ENERGY (kWh)	TERMINAL Type ^G	DIMENSIONS ^C Inches (mm)			WEIGHT lbs. (kg) ^I	HydroLink™ or Single-Point Watering Kit ^H
		@25 Amps	@75 Amps	C.C.A. ^D @0°F	C.A. ^E @32°F	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate		Length	Width	Height ^F		
DEEP-CYCLE GEL BATTERIES																
24	24-GEL	147	—	—	—	66	72	77	85	1.02	6	10.92 (277)	6.61 (168)	9.26 (235)	52 (24)	N/A
27	27-GEL	179	—	—	—	76	84	91	100	1.20	7	12.73 (323)	6.38 (173)	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
6 VOLT RELIANT™ 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 RELIANT™ DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™																
31	31-AGM	177	—	600	720	82	92	100	111	1.33	6, 15	12.80 (325)	6.81 (173)	9.37 (238)	67 (30)	N/A
31	OverDrive AGM 31	180	—	730	875	84	93	102	112	1.34	11	12.80 (325)	.81 (173)	9.43 (240)	67 (30)	N/A
6 VOLT DUAL-PURPOSE AGM BATTERY																
GC2	6V-AGM	385	—	1100	1400	154	184	200	221	1.33	6	10.28 (261)	7.08 (180)	10.74 (273)	65 (29)	N/A
12 VOLT DUAL-PURPOSE AGM BATTERY																
8D	8D-AGM	460	—	1450	1850	179	210	230	254	3.05	6	20.47 (520)	10.64 (270)	9.08 (231)	161 (73)	N/A
12 VOLT DEEP-CYCLE AGM BATTERIES																
GC12	12-AGM	280	—	825	900	112	127	140	144	1.72	15	13.54 (344)	6.76 (172)	10.88 (276)	100 (45)	N/A
24	24-AGM	137	—	500	600	67	70	76	84	1.01	6	10.77 (274)	6.84 (174)	8.62 (219)	54 (24)	N/A
27	27-AGM	158	—	550	660	77	82	89	99	1.19	6	12.05 (306)	6.84 (174)	9.32 (237)	64 (29)	N/A



* Polyon™ 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 (12.7mm) 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 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 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. Dimensions 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.
- 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.
- I. Weight may vary.

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

Terminal Configurations



1	ELPT	2	EHPT	3	EAPT	4	EUT	5	LT	6	DT	7	UT	8	AP
Embedded Low Profile		Embedded High Profile		Embedded Automotive Post		Embedded Universal		L-Terminal		Automotive Post & Stud		Universal		Automotive Post	



9	WNT	10	DWNT	11	ST	15	M6/M8	16	SLT
Wingnut		Dual Wingnut		Stud		6mm/8mm Insert		Small L-Terminal	



Experience The Trojan Difference – *Reputation Built on Quality, Leadership and Innovation*

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.



Prototype development and evaluation

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.



**TROJAN BATTERY
COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001:2015 =**



Your Local Trojan Battery Representative:



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

