



TROJAN[®]
BATTERY COMPANY

FLOOR MACHINE

**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.

Our Trojan Floor Machine batteries deliver the same outstanding power at the beginning of the job as they do at the end. If there's one thing we've learned over the years, it's that a truly outstanding battery must provide rugged durability, long life and consistent performance day in and day out. We continuously charge forward to meet your needs with dependable, high-performance batteries that you can count on to last day after day and year after year.

This is why your industry chooses Trojan. We understand the importance of these performance features in your daily operations and that is why we offer the broadest portfolio of high-quality, deep-cycle flooded, Lithium Ion, AGM and Gel products available.

We're Trojan Battery. We're **CHARGING FORWARD.**

TRILLIUM®

TROJAN INTELLIGENT LITHIUM

MORE RUNTIME, LIFETIME, AND PEACE OF MIND

Designed, engineered and assembled in the United States, Trillium® can be used in a variety of floor machine 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.

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 battery State of Charge (SoC) and temperature.

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.



TR 12.8-92 LI-ION

Microprocessor Cell Balancing
CAN Communications Battery Management System
SOC Gauge



TR 12.8-110 LI-ION

Microprocessor Cell Balancing
SOC Gauge Battery Management System



TR 25.6-25 LI-ION

Cell Balancing

KEY FEATURES

*TR 12.8-92 only **See the Trillium User's Guide Section 2 (Safety), 6 (Charging) and 10 (Automatic Safety Shutdown).

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 floor machine 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.

- 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**
Specifically designed for the longer life requirements of demanding applications.
- ③ **Maxguard® T2 Separator**
30 percent thicker than our T2 flooded battery separator and provides even greater resistance to stratification which is typically a mode of failure in batteries.

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 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.



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

DEEP-CYCLE AGM BATTERIES

with **C-Max Technology™**

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



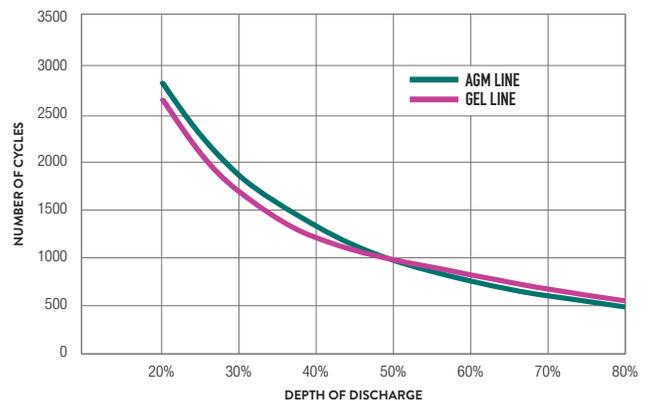
C-MAX TECHNOLOGY INCORPORATES A WIDE RANGE OF FEATURES NOT FOUND IN MANY AGM BATTERY OFFERINGS:

- ◆ 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 batteries deliver superior power in demanding floor machine 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

KEY FEATURES

- C-Max Technology
- Proprietary Paste
- Premium Separator



MOTIVE 12-VOLT AGM

- Durable Case
- Flame Arrestors



MOTIVE 6-VOLT-GEL

KEY FEATURES OF ALL GEL

- 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 (1,180Wh)	92	92	92.5	1.18	Fused @ 400 Amps	M8-1.25 Threaded Hole	10.16 (258)	6.61 (168)	8.50 (216)	27 (12)
27	TR 12.8-110 LI-ION	12.8V	110Ah (1,400Wh)	110	110	111	1.42	Fused @ 500 Amps	5/16"-18 Stud and 1/4"-20 Threaded Hole	12.07 (307)	6.57 (167)	8.63 (219)	30 (14)
U1	TR 25.6-25 LI-ION	25.6V	25Ah (640Wh)	25	25	25.5	0.64	Fused @ 125 Amps	M6-1.0 Threaded Hole	7.76 (197)	5.20 (132)	6.74 (171)	12 (5)

BCI GROUP SIZE	TYPE	CAPACITY ° Minutes		CAPACITY ° Amp-Hours (Ah)				ENERGY (kWh)	TERMINAL Type °	DIMENSIONS ° Inches (mm)			WEIGHT lbs. (kg) 1	HydroLink™ or Single-Point Watering Kit 2
		@25 Amps	@75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			100-Hr Rate	Length	Width		

6 VOLT DEEP-CYCLE 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
901	J250G	475	130	195	216	235	261	1.57	7	12.17 (309)	6.85 (174)	11.43 (290)	67 (30)	HydroLink
901	J250P*	540	135	215	230	250	278	1.67	6	11.66 (296)	6.94 (176)	11.54 (293)	72 (33)	Single-Point
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	J305P-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)	94 (43)	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
902	J305HG-AC	781	215	295	331	360	400	2.40	7	12.17 (309)	6.85 (174)	14.41 (366)	98 (45)	HydroLink
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)	111 (50)	HydroLink
903	L16H-AC*	935	245	357	400	435	483	2.89	6	11.66 (296)	6.94 (176)	16.74 (425)	121 (55)	Single-Point
903	L16HG-AC	935	245	357	400	435	483	2.89	7	12.14 (308)	6.85 (174)	16.41 (417)	119 (54)	HydroLink

12 VOLT DEEP-CYCLE 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
27	27TMH	200	51	95	106	115	128	1.54	5, 7, 8, 9	12.84 (326)	6.60 (168)	9.74 (247)	61 (28)	N/A
30H	30XHS	225	57	105	120	130	144	1.73	7, 8, 9	13.94 (354)	6.75 (171)	10.09 (256)	66 (30)	N/A
31	31XHS	225	57	105	120	130	144	1.73	11	12.97 (329)	6.75 (171)	9.58 (243)	67 (30)	N/A
GC12	T-1275	280	70	120	134	150	166	1.99	1, 2	12.96 (329)	7.13 (181)	11.13 (283)	85 (39)	HydroLink
GC12	J150	280	70	120	134	150	166	1.99	1, 2	13.95 (354)	7.13 (181)	11.13 (283)	84 (38)	HydroLink
GC12	J150 PLUS	280	70	120	134	150	166	1.99	1, 2, 3	13.95 (354)	7.13 (181)	11.14 (283)	84 (38)	N/A
921	J185E-AC	312	82	144	160	175	194	2.33	7, 9	15.41 (391)	6.90 (175)	15.20 (386)	102 (46)	HydroLink
921	J185G-AC	324	93	152	170	185	205	2.46	7, 9	15.41 (391)	6.90 (175)	15.20 (386)	106 (48)	HydroLink
921	J185P-AC*	380	104	168	189	205	226	2.71	6	14.97 (380)	6.91 (176)	14.67 (373)	116 (53)	Single-Point
921	J185PG-AC	380	104	168	189	205	226	2.71	7	15.41 (391)	6.90 (175)	14.65 (372)	117 (53)	HydroLink
921	J185H-AC*	440	121	185	207	225	249	2.99	6	14.97 (380)	6.91 (176)	14.67 (373)	126 (57)	Single-Point
921	J185HG-AC	440	121	185	207	225	249	2.99	7	15.41 (391)	6.90 (175)	14.65 (372)	123 (56)	HydroLink
N/A	DC-500ML**	1050	272	361	410	450	500	6.00	5, 8	19.25 (489)	10.62 (270)	16.73 (425)	332 (151)	Single-Point

36 VOLT DEEP-CYCLE BATTERY

N/A	180C-500ML**	1050	272	361	410	450	500	18.00	12	35.20*** (894)	19.10 (485)	16.70 (424)	986 (447)	Single-Point
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PRODUCT SPECIFICATION GUIDE

BCI GROUP SIZE	TYPE	CAPACITY ^A Minutes		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	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate			100-Hr Rate	Length	Width		
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														
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 (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

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		
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	—	600	720	82	92	100	111	1.33	6, 15	12.80 (325)	6.81 (173)	9.37 (238)	67 (30)	N/A
921	J185-AGM	389	110	—	—	157	171	200	212	2.54	5, 6, 15	14.97 (380)	6.94 (176)	14.45 (367)	122 (55)	N/A
GC12	T1275-AGM	254	70	—	—	114	126	132	135	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	—	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

**Unavailable with T2 Technology
***Also available at 30.50

■ TE35-GEL and 5SHP-GEL are not UN2800 certified

- 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 ^G



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 battery 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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