



# PRODUCT SPECIFICATION GUIDE

A COMPREHENSIVE BATTERY  
SELECTION GUIDE

# PRODUCT SPECIFICATION GUIDE

The battery specifications below provide details on battery type, capacity, energy rate, terminal type, dimensions and weight to ensure selection of the proper battery model. For more information on choosing the proper battery for your system type, please visit [www.trojanbattery.com/tech-support/battery-maintenance/](http://www.trojanbattery.com/tech-support/battery-maintenance/)

BCI GROUP SIZE	MODEL NAME	CAPACITY <sup>A</sup> MINUTES			CAPACITY <sup>B</sup> AMP-HOURS (Ah)				ENERGY (kWh)	TERMINAL TYPE <sup>D</sup>	DIMENSIONS <sup>C</sup> INCHES (mm)			WEIGHT <sup>I</sup> LBS. (kg)	HYDROLINK™ OR SINGLE-POINT WATERING KIT <sup>H</sup>
		@25 AMPS	@56 AMPS	@75 AMPS	5-Hr RATE	10-Hr RATE	20-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH		
<b>6 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™</b>															
GC2	<b>T-605</b>	383	—	105	175	193	210	232	1.39	1, 2, 3	10.30 (262)	7.13 (181)	11.15 (283)	58 (26)	HydroLink
GC2	<b>T-105</b>	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	<b>T-105 PLUS</b>	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	<b>T-125</b>	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	<b>T-125 PLUS</b>	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	<b>T-145</b>	530	—	145	215	239	260	287	1.72	1, 2, 4	10.30 (262)	7.13 (181)	11.91 (303)	72 (33)	HydroLink
GC2H	<b>T-145 PLUS</b>	530	—	145	215	239	260	287	1.72	1, 2	10.30 (262)	7.13 (181)	11.91 (303)	72 (33)	N/A
DIN	<b>TE35</b>	500	—	135	201	225	245	270	1.63	8	9.60 (244)	7.50 (191)	10.60 (269)	68 (31)	N/A
901	<b>J250G</b>	475	—	130	195	216	235	261	1.57	7	12.17 (309)	6.85 (174)	11.43 (290)	67 (30)	HydroLink
901	<b>J250P*</b>	540	—	135	215	230	250	278	1.67	6	11.66 (296)	6.94 (176)	11.54 (293)	72 (33)	Single-Point
902	<b>J305E-AC</b>	645	—	160	250	280	305	339	2.03	4	12.35 (314)	6.85 (174)	14.41 (366)	83 (38)	HydroLink
902	<b>J305G-AC</b>	678	—	175	258	290	315	350	2.10	4	12.35 (314)	6.85 (174)	14.41 (366)	88 (40)	HydroLink
902	<b>J305P-AC*</b>	711	—	195	271	304	330	367	2.20	6	11.66 (296)	6.94 (176)	14.42 (366)	96 (44)	Single-Point
902	<b>J305PG-AC</b>	711	—	195	271	304	330	367	2.20	7	12.17 (309)	6.85 (174)	14.41 (366)	96 (44)	HydroLink
902	<b>J305H-AC*</b>	781	—	215	295	331	360	400	2.40	6	11.66 (296)	6.94 (176)	14.42 (366)	98 (45)	Single-Point
902	<b>J305HG-AC</b>	781	—	215	295	331	360	400	2.40	7	12.17 (309)	6.85 (174)	14.41 (366)	98 (45)	HydroLink
903	<b>L16E-AC</b>	766	—	185	303	340	370	411	2.47	4	12.31 (313)	6.85 (174)	16.41 (417)	99 (45)	HydroLink
903	<b>L16G-AC</b>	789	—	200	320	359	390	433	2.60	4	12.31 (313)	6.85 (174)	16.41 (417)	101 (46)	HydroLink
903	<b>L16P-AC*</b>	850	—	220	344	386	420	467	2.80	6	11.66 (296)	6.94 (176)	16.74 (425)	114 (52)	Single-Point
903	<b>L16PG-AC</b>	850	—	220	344	386	420	467	2.80	7	12.14 (308)	6.85 (174)	16.41 (417)	114 (52)	HydroLink
903	<b>L16H-AC*</b>	935	—	245	357	400	435	483	2.89	6	11.66 (296)	6.94 (176)	16.74 (425)	125 (57)	Single-Point
903	<b>L16HG-AC</b>	935	—	245	357	400	435	483	2.89	7	12.14 (308)	6.85 (174)	16.41 (417)	125 (57)	HydroLink
<b>8 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™</b>															
GC8	<b>DC-8V</b>	277	110	—	135	147	160	176	1.42	2	10.24 (260)	7.10 (180)	11.13 (283)	61 (28)	HydroLink
GC8	<b>T-875</b>	295	117	—	145	155	170	189	1.51	1, 2	10.24 (260)	7.10 (180)	11.13 (283)	63 (29)	HydroLink
GC8	<b>T-890</b>	340	132	—	155	175	190	211	1.69	1, 2	10.24 (260)	7.10 (180)	11.13 (283)	69 (31)	HydroLink
GC8H	<b>RANGER 160</b>	430	160	—	169	186	204	225	1.80	2	10.21 (259)	7.10 (180)	11.90 (302)	76 (34)	HydroLink

## TERMINAL CONFIGURATIONS



BCI GROUP SIZE	MODEL NAME	CAPACITY <sup>A</sup> MINUTES			CAPACITY <sup>B</sup> (Ah)				ENERGY (kWh)	TERMINAL TYPE <sup>G</sup>	DIMENSIONS <sup>C</sup> INCHES (mm)			WEIGHT <sup>I</sup> LBS. (kg)	HYDROLINK™ OR SINGLE-POINT WATERING KIT <sup>H</sup>
		@25 AMPS	@56 AMPS	@75 AMPS	5-Hr RATE	10-Hr RATE	20-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH		
<b>12 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™</b>															
24	<b>24TMX</b>	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	<b>27TMX</b>	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	<b>27TMH</b>	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	<b>30XHS</b>	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	<b>31XHS</b>	225	—	57	105	120	130	144	1.73	11	12.97 (329)	6.75 (171)	9.58 (243)	67 (30)	N/A
GC12	<b>T-1260 PLUS</b>	260	90	60	113	126	140	155	1.86	1	12.96 (329)	7.13 (181)	10.71 (272)	78 (35)	N/A
GC12	<b>T-1275</b>	280	102	70	120	134	150	166	1.99	1, 2	12.96 (329)	7.13 (181)	11.13 (283)	85 (39)	HydroLink
GC12	<b>T-1275 PLUS</b>	280	102	70	120	134	150	166	1.99	1	12.96 (329)	7.13 (181)	10.71 (272)	85 (39)	N/A
GC12	<b>J150</b>	280	102	70	120	134	150	166	1.99	1, 2	13.95 (354)	7.13 (181)	11.13 (283)	84 (38)	HydroLink
GC12	<b>J150 PLUS</b>	280	102	70	120	134	150	166	1.99	1, 2, 3	13.95 (354)	7.13 (181)	11.14 (283)	84 (38)	N/A
921	<b>J185E-AC</b>	312	—	82	144	160	175	194	2.33	7, 9	15.41 (391)	6.90 (175)	15.20 (386)	102 (46)	HydroLink
921	<b>J185G-AC</b>	324	—	93	152	170	185	205	2.46	7, 9	15.41 (391)	6.90 (175)	15.20 (386)	106 (48)	HydroLink
921	<b>J185P-AC*</b>	380	—	104	168	189	205	226	2.71	6	14.97 (380)	6.91 (176)	14.67 (373)	114 (52)	Single-Point
921	<b>J185PG-AC</b>	380	—	104	168	189	205	226	2.71	7	15.41 (391)	6.90 (175)	14.65 (372)	114 (52)	HydroLink
921	<b>J185H-AC*</b>	440	—	121	185	207	225	249	2.99	6	14.97 (380)	6.91 (176)	14.67 (373)	123 (56)	Single-Point
921	<b>J185HG-AC</b>	440	—	121	185	207	225	249	2.99	7	15.41 (391)	6.90 (175)	14.65 (372)	123 (56)	HydroLink
N/A	<b>DC-500ML**</b>	1050	—	272	361	410	450	500	6.00	5, 8	19.25 (489)	10.62 (270)	16.73 (425)	332 (151)	Single-Point

**MARINE/RV 12 VOLT DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™**

24	<b>SCS150</b>	150	—	36	80	92	100	111	1.33	10	11.30 (286)	6.73 (171)	9.80 (248)	50 (23)	N/A
27	<b>SCS200</b>	200	—	52	95	105	115	128	1.54	10	12.80 (324)	6.73 (171)	9.80 (248)	60 (27)	N/A
30H	<b>SCS225</b>	225	—	57	105	118	130	144	1.73	10	13.94 (354)	6.75 (171)	9.96 (253)	66(30)	N/A

**36 VOLT DEEP-CYCLE FLOODED BATTERY**

N/A	<b>18DC-500ML**</b>	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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BCI GROUP SIZE	MODEL NAME	CAPACITY <sup>A</sup> MINUTES			CAPACITY <sup>B</sup> AMP-HOURS (Ah)				ENERGY (kWh)	TERMINAL TYPE <sup>G</sup>	DIMENSIONS <sup>C</sup> INCHES (mm)			WEIGHT <sup>I</sup> LBS. (kg)	HYDROLINK™ OR SINGLE-POINT WATERING KIT <sup>H</sup>
		@25 AMPS	@56 AMPS	@75 AMPS	5-Hr RATE	10-Hr RATE	20-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH		
<b>6 VOLT DEEP-CYCLE GEL BATTERIES</b>															
GC2	<b>6V-GEL</b>	394	—	—	154	167	189	198	1.19	6	10.25 (260)	7.08 (180)	10.82 (275)	68 (31)	N/A
DIN	<b>TE35-GEL</b>	479	—	—	180	193	210	220	1.32	8	9.64 (245)	7.51 (191)	10.65 (271)	69 (31)	N/A
<b>8 VOLT DEEP-CYCLE GEL BATTERY</b>															
GC8	<b>8V-GEL</b>	270	—	75	114	127	140	160	1.28	6	10.31 (262)	7.13 (181)	10.88 (276)	70 (32)	N/A
<b>12 VOLT DEEP-CYCLE GEL BATTERIES</b>															
8D	<b>8D-GEL</b>	500	—	—	188	207	225	265	3.18	5	20.69 (526)	10.95 (278)	10.82 (275)	168 (76)	N/A
24	<b>24-GEL</b>	147	—	—	66	72	77	85	1.02	6	10.92 (277)	6.61 (168)	9.26 (235)	52 (24)	N/A
27	<b>27-GEL</b>	179	—	—	76	84	91	100	1.20	7	12.73 (323)	6.38 (162)	9.26 (235)	62 (28)	N/A
31	<b>31-GEL</b>	200	—	—	85	94	102	108	1.30	7	12.94 (329)	6.82 (173)	9.64 (245)	70 (32)	N/A
DIN	<b>55SH-P-GEL</b>	250	—	—	110	115	125	137	1.64	8	13.58 (345)	6.75 (172)	11.01 (280)	85 (39)	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.

\*\* Unavailable with T2 Technology \*\*\* Also available in 30.50

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)				LENGTH	WIDTH	HEIGHT †	
<b>TRILLIUM™ DEEP-CYCLE LITHIUM BATTERIES</b>													
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	10.16 (258)	6.61 (168)	8.50 (216)	27 (12)
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	12.07 (307)	6.57 (167)	8.63 (219)	30 (14)
U1	TR 25.6-25 LI-ION	25.6V	25Ah (640Wh)	25	25	25.5	0.65	Fused @ 125 Amps	M6-1.0 Threaded Hole	7.76 (197)	5.20 (132)	6.74 (171)	12 (5)

BCI GROUP SIZE	MODEL NAME	CAPACITY ° MINUTES			CRANKING PERFORMANCE		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	C.C.A. ° @0°F	C.A. ° @32°F	5-Hr RATE	10-Hr RATE	20-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH		
<b>6 VOLT DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™</b>																	
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
<b>8 VOLT DEEP-CYCLE AGM BATTERY WITH C-MAX TECHNOLOGY™</b>																	
GC8	T875-AGM	320	118	—	—	—	130	142	160	170	1.36	5, 8, 15	10.30 (262)	7.06 (179)	10.73 (273)	70 (32)	N/A
<b>12 VOLT DEEP-CYCLE AGM BATTERIES WITH C-MAX TECHNOLOGY™</b>																	
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)	6.81 (173)	9.43 (240)	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
<b>6 VOLT DUAL-PURPOSE AGM BATTERY</b>																	
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
<b>12 VOLT DUAL-PURPOSE AGM BATTERY</b>																	
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
<b>12 VOLT DEEP-CYCLE AGM BATTERIES</b>																	
U1	U1-AGM	42	—	—	240	306	29	31	33	34	0.41	15	7.78 (198)	5.20 (132)	6.75 (171)	27 (12)	N/A
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

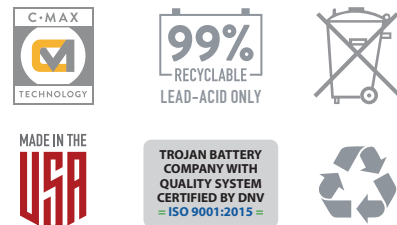


\* Polyon™ Case

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- 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.
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- I. Weight may vary.

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Your Local Trojan Battery Representative:



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

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