

# PRODUCT SPECIFICATION GUIDE

*A Comprehensive Battery Selection Guide*



 **Trojan**<sup>®</sup>  
BATTERY COMPANY  
*Clean energy for life™*

## Trojan - Reputation Built on Quality, Leadership and Innovation

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 85 years of battery manufacturing experience. Trojan's leadership and innovation prevails today in the global, deep-cycle markets spanning applications for golf, renewable energy, transportation, floor machines, aerial work platforms, marine and recreational vehicles. Trojan batteries are available worldwide through our global network of master distributors. Headquartered in Santa Fe Springs, Calif., Trojan's operations include ISO 9001:2008 certified manufacturing plants in California and Georgia and international offices located in Europe, UAE and Asia.

## Trojan Research and Development

As the leading manufacturer of deep-cycle flooded batteries, Trojan retains two state-of-the-art research and development centers dedicated exclusively to battery technology and innovation. Engineering teams, backed by over 200 years of deep-cycle development expertise, innovate and bring to market advanced battery technologies that exceed customer expectations for outstanding battery performance. To ensure the quality and superior performance of our batteries, Trojan applies the industry's most rigorous testing procedures, which adhere to both BCI and IEC test standards, to assess cycle life, capacity, charger algorithms and both physical and mechanical integrity.

## Trojan Technical Support and Training

Trojan's expertise as the world's leading manufacturer of deep-cycle batteries provides us with a unique knowledge and understanding of battery technology for a variety of applications. We apply this expertise in our outstanding technical support. Trojan's experienced engineers are available to assist with in-depth understanding of battery technologies and system specifications to help identify the battery technology that best fits your application.

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/batterymaintenance/gettingstarted.html](http://www.trojanbattery.com/batterymaintenance/gettingstarted.html)

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes			CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	VOLTAGE	TERMINAL Type <sup>G</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@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	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-1/16 (281)	58 (26)
GC2	<b>T-105</b>	447	-	115	185	207	225	250	1.50	6 VOLT	1, 2, 3, 4, 5	10-1/4 (260)	7-1/8 (181)	11-1/16 (281)	62 (28)
GC2	<b>T-105 Plus</b>	447	-	115	185	207	225	250	1.50	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-1/16 (281)	62 (28)
GC2	<b>T-125</b>	488	-	132	195	221	240	266	1.60	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-1/16 (281)	66 (30)
GC2	<b>T-125 Plus</b>	488	-	132	195	221	240	266	1.60	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-1/16 (281)	66 (30)
GC2H	<b>T-145</b>	530	-	145	215	239	260	287	1.72	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-7/8 (302)	72 (33)
GC2H	<b>T-145 Plus</b>	530	-	145	215	239	260	287	1.72	6 VOLT	1, 2, 3, 4	10-1/4 (260)	7-1/8 (181)	11-7/8 (302)	72 (33)
DIN	<b>TE35</b>	500	-	135	200	225	245	271	1.63	6 VOLT	8	9-5/8 (244)	7-1/2 (191)	10-5/8 (270)	68 (31)
901	<b>J250G</b>	475	-	130	195	216	235	261	1.57	6 VOLT	7	12-1/8 (308)	7 (178)	11-7/16 (290)	67 (30)
901	<b>J250P*</b>	540	-	135	215	230	250	278	1.67	6 VOLT	6	11-5/8 (295)	7 (178)	11-15/16 (303)	72 (33)
902	<b>J305E-AC</b>	645	-	160	250	280	305	339	2.03	6 VOLT	7	12-3/16 (309)	7 (178)	14-3/8 (365)	83 (38)
902	<b>J305G-AC</b>	678	-	175	258	290	315	350	2.10	6 VOLT	7	12-3/16 (309)	7 (178)	14-3/8 (365)	88 (40)
902	<b>J305P-AC*</b>	711	-	195	271	304	330	367	2.20	6 VOLT	6	11-5/8 (295)	7 (178)	14-3/8 (365)	96 (44)
902	<b>J305H-AC*</b>	781	-	215	295	331	360	400	2.40	6 VOLT	6	11-5/8 (295)	7 (178)	14-3/8 (365)	98 (45)
902	<b>J305HG-AC*</b>	781	-	215	295	331	360	400	2.40	6 VOLT	7	12-1/8 (308)	7 (178)	14-3/8 (365)	98 (45)
903	<b>L16E-AC</b>	766	-	185	303	340	370	411	2.47	6 VOLT	7	12-1/4 (311)	7 (178)	16-3/8 (416)	100 (46)
903	<b>L16G-AC</b>	789	-	200	320	359	390	433	2.60	6 VOLT	7	12-1/4 (311)	7 (178)	16-3/8 (416)	107 (49)
903	<b>L16P-AC*</b>	850	-	220	344	386	420	467	2.80	6 VOLT	6	11-5/8 (295)	7 (178)	16-3/4 (425)	114 (52)
903	<b>L16H-AC*</b>	935	-	245	357	400	435	483	2.89	6 VOLT	6	11-5/8 (295)	7 (178)	16-3/4 (425)	125 (57)
903	<b>L16HG-AC*</b>	935	-	245	357	400	435	483	2.89	6 VOLT	7	12-1/4 (311)	7 (178)	16-3/8 (416)	125 (57)
903	<b>L16P</b>	850	-	220	344	386	420	467	2.80	6 VOLT	5	11-5/8 (295)	7 (178)	16-3/4 (425)	114 (52)
903	<b>L16H</b>	935	-	245	357	400	435	483	2.89	6 VOLT	5	11-5/8 (295)	7 (178)	16-3/4 (425)	125 (57)

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes			CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	VOLTAGE	TERMINAL Type <sup>G</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	@56 Amps	@75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate				100-Hr Rate	Length	Width	
<b>8 VOLT DEEP-CYCLE FLOODED BATTERIES - with T2 TECHNOLOGY™</b>															
GC8	<b>T-8V</b>	277	110	-	135	147	160	176	1.42	8 VOLT	2	10-1/4 (260)	7-1/8 (181)	11-1/8 (282)	61 (28)
GC8	<b>T-875</b>	295	117	-	145	155	170	189	1.51	8 VOLT	1, 2, 3	10-1/4 (260)	7-1/8 (181)	11-1/8 (282)	63 (29)
GC8	<b>Traveler 8V</b>	295	117	-	145	155	170	189	1.51	8 VOLT	2	10-3/8 (264)	7-1/8 (181)	11-3/4 (298)	75 (34)
GC8	<b>T-890</b>	340	132	-	155	175	190	211	1.69	8 VOLT	1, 2, 3	10-1/4 (260)	7-1/8 (181)	11-1/8 (282)	69 (31)
GC8	<b>Ranger 160</b>	430	160	-	169	186	204	225	1.8	8 VOLT	2	10-3/8 (264)	7-1/8 (181)	11-3/4 (298)	75 (34)
<b>12 VOLT DEEP-CYCLE FLOODED BATTERIES - with T2 TECHNOLOGY™</b>															
24	<b>24TMX</b>	140	-	36	70	78	85	94	1.13	12 VOLT	5, 7, 8, 9	11-1/4 (286)	6-3/4 (171)	9-3/4 (248)	47 (21)
27	<b>27TMX</b>	175	-	45	85	97	105	117	1.40	12 VOLT	5, 9	12-3/4 (324)	6-3/4 (171)	9-3/4 (248)	55 (25)
27	<b>27TMH</b>	200	-	51	95	106	115	128	1.54	12 VOLT	5, 7, 8, 9	12-3/4 (324)	6-3/4 (171)	9-3/4 (248)	61 (28)
30H	<b>30XHS</b>	225	-	57	105	120	130	144	1.73	12 VOLT	5, 7, 8, 9	13-15/16 (355)	6-3/4 (171)	10-1/16 (256)	66 (30)
30H	<b>31XHS</b>	225	-	57	105	120	130	144	1.73	12 VOLT	11	13 (330)	6-3/4 (171)	9-1/2 (241)	67 (30)
N/A	<b>T-1260 Plus</b>	260	90	60	113	126	140	155	1.86	12 VOLT	1	12-7/8 (327)	7-1/8 (181)	10-11/16 (272)	78 (35)
N/A	<b>T-1275</b>	280	102	70	120	134	150	166	1.99	12 VOLT	1	12-7/8 (327)	7-1/8 (181)	10-11/16 (272)	82 (37)
N/A	<b>T-1275 Plus</b>	280	102	70	120	134	150	166	1.99	12 VOLT	1	12-7/8 (327)	7-1/8 (181)	10-11/16 (272)	82 (37)
N/A	<b>J150</b>	280	102	70	120	134	150	166	1.99	12 VOLT	1, 2	13-15/16 (354)	7-1/8 (181)	11-1/8 (283)	84 (38)
N/A	<b>J150 Plus</b>	280	102	70	120	134	150	166	1.99	12 VOLT	1, 2, 3	13-15/16 (354)	7-1/8 (181)	11-1/8 (283)	84 (38)
921	<b>J185E-AC</b>	312	-	82	144	160	175	194	2.33	12 VOLT	7, 9	15-1/2 (394)	7 (178)	15-1/4 (387)	102 (46)
921	<b>J185G-AC</b>	324	-	93	152	170	185	205	2.46	12 VOLT	7, 9	15-1/2 (394)	7 (178)	14-5/8 (371)	106 (48)
921	<b>J185P-AC*</b>	380	-	104	168	189	205	226	2.71	12 VOLT	6	15 (381)	7 (178)	14-5/8 (371)	114 (52)
921	<b>J185H-AC*</b>	440	-	121	185	207	225	249	2.99	12 VOLT	6	15 (381)	7 (178)	14-5/8 (371)	128 (58)
921	<b>J185HG-AC*</b>	440	-	121	185	207	225	249	2.99	12 VOLT	7	15-1/2 (394)	7 (178)	14-5/8 (371)	128 (58)
N/A	<b>DC-500ML**</b>	1050	-	272	361	410	450	500	6.00	12 VOLT	5, 8	19-1/4 (489)	10-5/8 (270)	16-3/4 (425)	332 (151)
<b>36 VOLT DEEP-CYCLE FLOODED BATTERY</b>															
N/A	<b>18DC-500ML**</b>	1050	-	272	361	410	450	500	18.00	36 VOLT	12	35-1/4*** (895)	19-1/8 (486)	16-3/4 (425)	986 (447)
<b>PREMIUM LINE - DEEP-CYCLE FLOODED BATTERIES</b>															
GC2H	<b>T105-RE</b>	447	-	115	185	207	225	250	1.50	6 VOLT	5	10-1/4 (260)	7-1/8 (181)	11-3/4 (299)	67 (30)
903	<b>L16RE-A*</b>	695	-	155	267	299	325	360	2.16	6 VOLT	5	11-5/8 (295)	7 (178)	17-9/16 (450)	115 (52)
903	<b>L16RE-B*</b>	766	-	180	303	340	370	410	2.46	6 VOLT	5	11-5/8 (295)	7 (178)	17-9/16 (450)	118 (54)
903	<b>L16RE-2V*</b>	-	-	-	909	1021	1110	1235	2.47	2 VOLT	5	11-5/8 (295)	7 (178)	17-9/16 (450)	119 (54)
<b>INDUSTRIAL LINE - DEEP-CYCLE FLOODED BATTERIES</b>															
N/A	<b>IND9-6V</b>	-	-	-	365	414	464	601	3.27	6 VOLT	14	15-3/8 (390)	10-1/4 (260)	24 (610)	220 (100)
N/A	<b>IND13-6V</b>	-	-	-	545	616	695	902	4.92	6 VOLT	14	22-3/8 (568)	10-1/4 (260)	24 (610)	315 (143)
N/A	<b>IND17-6V</b>	-	-	-	727	820	925	1202	6.54	6 VOLT	14	26-11/16 (678)	10-1/4 (260)	24 (610)	415 (188)
N/A	<b>IND23-4V</b>	-	-	-	1000	1129	1270	1654	6.00	4 VOLT	14	22-3/8 (568)	10-1/4 (260)	24 (610)	370 (168)
N/A	<b>IND27-2V</b>	-	-	-	1215	1368	1520	1954	3.56	2 VOLT	14	15-3/8(390)	10-1/4 (260)	24 (610)	228 (104)
N/A	<b>IND29-4V</b>	-	-	-	1274	1448	1618	2105	7.64	4 VOLT	14	26-11/16 (678)	10-1/4 (260)	24 (610)	465 (211)
N/A	<b>IND33-2V</b>	-	-	-	1455	1682	1849	2405	4.37	2 VOLT	14	17-1/3 (440)	10-1/4 (260)	24 (610)	278(125)

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes			CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	VOLTAGE	TERMINAL Type <sup>G</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	@75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate				Length	Width	Height <sup>F</sup>	
<b>DEEP-CYCLE GEL BATTERIES</b>															
GC2	<b>6V-GEL</b>	394	-	154	167	189	198	1.19	6 VOLT	6	10-1/4 (260)	7-1/8 (181)	10-7/8 (276)	68 (31)	
DIN	<b>TE35-GEL</b>	479	-	180	192	210	220	1.32	6 VOLT	5, 8	9-5/8 (244)	7-1/2 (190)	10-5/8 (270)	69 (31)	
8D	<b>8D-GEL</b>	500	-	188	207	225	265	3.18	12 VOLT	5	21-1/16 (534)	11 (279)	10-13/16 (233)	161 (73)	
24	<b>24-GEL</b>	147	-	66	72	77	85	1.02	12 VOLT	6	10-7/8 (276)	6-9/16 (167)	9-5/16 (236)	52 (24)	
27	<b>27-GEL</b>	179	-	76	84	91	100	1.20	12 VOLT	7	12-13/16 (326)	6-3/4 (171)	9-1/4 (234)	63 (29)	
31	<b>31-GEL</b>	200	-	85	94	102	108	1.30	12 VOLT	7	12-15/16 (329)	6-3/4 (171)	9-5/8 (245)	69 (31)	
DIN	<b>5SHP-GEL</b>	250	-	110	115	125	137	1.64	12 VOLT	5, 8	13-9/16 (345)	6-3/4 (171)	11-1/8 (283)	85 (39)	

\* Polyon™ Case (see back page)  
\*\* Unavailable with T2 Technology.  
\*\*\* Also available in 30-1/4

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Minutes		CRANKING Performance		CAPACITY <sup>B</sup> Amp-Hours (AH)				ENERGY (kWh)	VOLTAGE	TERMINAL Type <sup>G</sup>	DIMENSIONS <sup>C</sup> Inches (mm)			WEIGHT lbs. (kg)
		@25 Amps	@75 Amps	C.C.A. <sup>D</sup> @0°F	C.A. <sup>E</sup> @32°F	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate	100-Hr Rate			Length	Width	Height <sup>F</sup>	
<b>MARINE/RV DEEP-CYCLE BATTERIES - with T2 TECHNOLOGY™</b>																
24	SCS150	150	36	530	650	80	92	100	111	1.33	12 VOLT	10	11-1/4 (286)	6-3/4 (171)	9-3/4 (248)	50 (23)
27	SCS200	200	52	620	760	95	105	115	128	1.54	12 VOLT	10	12-3/4 (324)	6-3/4 (171)	9-3/4 (248)	60 (27)
30H	SCS225	225	57	665	820	105	118	130	144	1.73	12 VOLT	10	13-15/16 (355)	6-3/4 (171)	10 (254)	66 (30)
<b>DEEP-CYCLE AGM BATTERIES</b>																
U1	U1-AGM	42	-	240	306	29	31	33	34	0.408	12 VOLT	13	8-3/16 (207)	5-3/16 (132)	6-13/16 (174)	27 (12)
GC12	12-AGM	280	-	825	900	112	127	140	144	1.72	12 VOLT	13	13-9/16 (345)	6-13/16 (174)	10-15/16 (278)	100 (45)
22	22-AGM	79	-	280	336	43	47	50	52	0.624	12 VOLT	13	9 (229)	5-1/2 (139)	8-1/16 (205)	40 (18)
24	24-AGM	137	-	500	600	67	70	76	84	1.01	12 VOLT	6	10-1/4 (260)	6-5/8 (168)	9-1/2 (241)	54 (24)
27	27-AGM	158	-	550	660	77	82	89	99	1.19	12 VOLT	6	12-1/16 (306)	6-13/16 (174)	8-3/4 (221)	64 (29)
31	31-AGM	177	-	600	720	82	92	100	111	1.33	12 VOLT	6	12-15/16 (329)	6-13/16 (174)	9-5/16 (237)	69 (31)
31	OverDrive AGM 31™	180	-	730	875	84	93	102	112	1.34	12 VOLT	11	13 (329)	6-13/16 (174)	9-5/16 (237)	69 (31)
<b>STARTING AGM BATTERY</b>																
31	TransPower™ ST1000 AGM 31	200	-	1000	1200	88	93	102	105	1.26	12 VOLT	11	13 (329)	6-13/16 (174)	9-5/16 (237)	74 (34)
<b>DUAL PURPOSE AGM BATTERIES</b>																
GC2	6V-AGM	385	-	1100	1400	154	184	200	221	1.33	6 VOLT	6	10-1/4 (260)	7-1/8 (181)	10-3/4 (274)	65 (29)
8D	8D-AGM	460	-	1450	1850	179	210	230	254	3.05	12 VOLT	6	20-1/2 (521)	10-9/16 (269)	9-3/16 (233)	167 (76)

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) for the 20-Hour and 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.  
 C. Dimensions are based on nominal size. 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.  
 Trojan's Battery testing procedures adhere to both BCI and IEC test standards.



\* Polyon™ Case

## Terminal Configurations

<b>1 ELPT</b> Embedded Low Profile Terminal	<b>2 EHPT</b> Embedded High Profile Terminal	<b>3 EAPT</b> Embedded Automotive Post Terminal	<b>4 EUT</b> Embedded Universal Terminal	<b>5 LT</b> L-Terminal	<b>6 DT</b> Automotive Post & Stud Terminal	<b>7 UT</b> Universal Terminal	<b>8 AP</b> Automotive Post Terminal
<b>9 WNT</b> Wingnut Terminal	<b>10 DWNT</b> Dual Wingnut Terminal	<b>11 ST</b> Stud Terminal	<b>12</b> Cable & Plug	<b>13 IT</b> Insert Terminal	<b>14 IND</b> Ind Terminal		



Your Local Trojan Battery Representative:

**For more information,  
 call 800.423.6569  
 or + 1.562.236.3000  
 or visit [www.trojanbattery.com](http://www.trojanbattery.com)**

