

PRODUCT SPECIFICATION GUIDE

A Comprehensive Battery Selection Guide



 **Trojan**[®]
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

| BCI GROUP SIZE | TYPE | CAPACITY ^A Minutes | | | CAPACITY ^B Amp-Hours (AH) | | | ENERGY (kWh) | VOLTAGE | TERMINAL Type | DIMENSIONS ^C Inches (mm) | | | WEIGHT lbs. (kg) |
|--|------------|-------------------------------|----------|----------|--------------------------------------|------------|-------------|--------------|---------|---------------|-------------------------------------|-------------|----------------|------------------|
| | | @25 Amps | @56 Amps | @75 Amps | 5-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 | 210 | 232 | 1.39 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 58 (26) |
| GC2 | T-105 | 447 | - | 115 | 185 | 225 | 250 | 1.50 | 6 VOLT | 1, 2, 3, 4, 5 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 62 (28) |
| GC2 | T-105 Plus | 447 | - | 115 | 185 | 225 | 250 | 1.50 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 10-11/16 (272) | 62 (28) |
| GC2 | T-125 | 488 | - | 132 | 195 | 240 | 266 | 1.60 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 66 (30) |
| GC2 | T-125 Plus | 488 | - | 132 | 195 | 240 | 266 | 1.60 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 10-11/16 (272) | 66 (30) |
| GC2H | T-145 | 530 | - | 145 | 215 | 260 | 287 | 1.72 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 11-5/8 (295) | 72 (33) |
| GC2H | T-145 Plus | 530 | - | 145 | 215 | 260 | 287 | 1.72 | 6 VOLT | 1, 2, 3, 4 | 10-3/8 (264) | 7-1/8 (181) | 11-1/2 (292) | 72 (33) |
| DIN | TE35 | 500 | - | 135 | 200 | 245 | 271 | 1.63 | 6 VOLT | 8 | 9-5/8 (244) | 7-1/2 (191) | 10-7/8 (276) | 68 (31) |
| 901 | J250G | 475 | - | 130 | 195 | 235 | 261 | 1.57 | 6 VOLT | 7 | 11-1/2 (292) | 7 (178) | 11-7/8 (302) | 67 (30) |
| 901 | J250P* | 540 | - | 135 | 215 | 250 | 278 | 1.67 | 6 VOLT | 6 | 11-11/16 (297) | 7 (178) | 11-1/2 (292) | 72 (33) |
| 902 | J305E-AC | 645 | - | 160 | 250 | 305 | 339 | 2.03 | 6 VOLT | 7 | 12-1/4 (311) | 7 (178) | 14-3/8 (365) | 83 (38) |
| 902 | J305G-AC | 678 | - | 175 | 258 | 315 | 350 | 2.10 | 6 VOLT | 7 | 12-1/4 (311) | 7 (178) | 14-3/8 (365) | 88 (40) |
| 902 | J305P-AC* | 711 | - | 195 | 271 | 330 | 367 | 2.20 | 6 VOLT | 6 | 11-5/8 (295) | 7 (178) | 14-3/8 (365) | 96 (44) |
| 902 | J305H-AC* | 781 | - | 215 | 295 | 360 | 400 | 2.40 | 6 VOLT | 6 | 11-5/8 (295) | 7 (178) | 14-3/8 (365) | 98 (45) |
| 903 | L16E-AC | 766 | - | 185 | 303 | 370 | 411 | 2.47 | 6 VOLT | 7 | 12-1/4 (311) | 7 (178) | 16-3/8 (417) | 100 (46) |
| 903 | L16G-AC | 789 | - | 200 | 320 | 390 | 433 | 2.60 | 6 VOLT | 7 | 12-1/4 (311) | 7 (178) | 16-3/8 (417) | 107 (49) |
| 903 | L16P-AC* | 850 | - | 220 | 344 | 420 | 467 | 2.80 | 6 VOLT | 6 | 11-5/8 (295) | 7 (178) | 16-3/4 (424) | 114 (52) |
| 903 | L16H-AC* | 935 | - | 245 | 357 | 435 | 483 | 2.89 | 6 VOLT | 6 | 11-5/8 (295) | 7 (178) | 16-3/4 (424) | 125 (57) |

| BCI GROUP SIZE | TYPE | CAPACITY ^A Minutes | | | CAPACITY ^B Amp-Hours (AH) | | | ENERGY (kWh) | VOLTAGE | TERMINAL Type | DIMENSIONS ^C Inches (mm) | | | WEIGHT lbs. (kg) |
|---|--------------|-------------------------------|----------|----------|--------------------------------------|------------|-------------|--------------|---------|---------------|-------------------------------------|--------------|---------------------|------------------|
| | | @25 Amps | @56 Amps | @75 Amps | 5-Hr Rate | 20-Hr Rate | 100-Hr Rate | 100-Hr Rate | | | Length | Width | Height ^F | |
| 8 VOLT DEEP-CYCLE FLOODED BATTERIES - with T2 TECHNOLOGY™ | | | | | | | | | | | | | | |
| GC8 | T-860 | 260 | 90 | - | 125 | 150 | 167 | 1.34 | 8 VOLT | 1 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 58 (26) |
| GC8 | T-875 | 295 | 117 | - | 145 | 170 | 189 | 1.51 | 8 VOLT | 1, 2, 3 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 63 (29) |
| GC8 | T-890 | 340 | 132 | - | 155 | 190 | 211 | 1.69 | 8 VOLT | 1, 2, 3 | 10-3/8 (264) | 7-1/8 (181) | 10-7/8 (276) | 69 (31) |
| 12 VOLT DEEP-CYCLE FLOODED BATTERIES - with T2 TECHNOLOGY™ | | | | | | | | | | | | | | |
| 24 | 24TMX | 140 | - | 36 | 70 | 85 | 94 | 1.13 | 12 VOLT | 5, 9 | 11-1/4 (286) | 6-3/4 (171) | 9-3/4 (248) | 47 (21) |
| 27 | 27TMX | 175 | - | 45 | 85 | 105 | 117 | 1.40 | 12 VOLT | 5, 9 | 12-3/4 (324) | 6-3/4 (171) | 9-3/4 (248) | 55 (25) |
| 27 | 27TMH | 200 | - | 51 | 95 | 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 | 30XHS | 225 | - | 57 | 105 | 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 | 31XHS | 225 | - | 57 | 105 | 130 | 144 | 1.73 | 12 VOLT | 11 | 13 (330) | 6-3/4 (171) | 9-1/2 (241) | 67 (30) |
| N/A | T-1260 Plus | 260 | 90 | 60 | 113 | 140 | 155 | 1.86 | 12 VOLT | 1 | 12-7/8 (327) | 7-1/8 (181) | 10-11/16 (272) | 78 (35) |
| N/A | T-1275 | 280 | 102 | 70 | 120 | 150 | 166 | 1.99 | 12 VOLT | 1 | 12-7/8 (327) | 7-1/8 (181) | 10-7/8 (276) | 82 (37) |
| N/A | T-1275 Plus | 280 | 102 | 70 | 120 | 150 | 166 | 1.99 | 12 VOLT | 1 | 12-7/8 (327) | 7-1/8 (181) | 10-11/16 (272) | 82 (37) |
| N/A | J150 | 280 | 102 | 70 | 120 | 150 | 166 | 1.99 | 12 VOLT | 1, 2 | 13-13/16 (351) | 7-1/8 (181) | 11-1/8 (283) | 84 (38) |
| N/A | J150 Plus | 280 | 102 | 70 | 120 | 150 | 166 | 1.99 | 12 VOLT | 1, 2, 3 | 13-13/16 (351) | 7-1/8 (181) | 11-1/8 (283) | 84 (38) |
| 921 | J185E-AC | 312 | - | 82 | 144 | 175 | 194 | 2.33 | 12 VOLT | 7, 9 | 15-1/2 (394) | 7 (178) | 14-5/8 (371) | 102 (46) |
| 921 | J185G-AC | 324 | - | 93 | 152 | 185 | 205 | 2.46 | 12 VOLT | 7, 9 | 15-1/2 (394) | 7 (178) | 14-5/8 (371) | 106 (48) |
| 921 | J185P-AC* | 380 | - | 104 | 168 | 205 | 226 | 2.71 | 12 VOLT | 6 | 15 (381) | 7 (178) | 14-5/8 (371) | 114 (52) |
| 921 | J185H-AC* | 440 | - | 121 | 185 | 225 | 249 | 2.99 | 12 VOLT | 6 | 15 (381) | 7 (178) | 14-5/8 (371) | 128 (58) |
| N/A | DC-500ML** | 1050 | - | 272 | 361 | 450 | 500 | 6.00 | 12 VOLT | 5, 8 | 19-1/4 (489) | 10-5/8 (270) | 16-3/4 (425) | 332 (151) |
| 36 VOLT DEEP-CYCLE FLOODED BATTERY | | | | | | | | | | | | | | |
| N/A | 18DC-500ML** | 1050 | - | 272 | 361 | 450 | 500 | 18.00 | 36 VOLT | 12 | 35-1/4*** (895) | 19-1/8 (486) | 16-3/4 (425) | 986 (447) |
| PREMIUM LINE - DEEP-CYCLE FLOODED BATTERIES | | | | | | | | | | | | | | |
| GC2H | T105-RE | 447 | - | 115 | 185 | 225 | 250 | 1.50 | 6 VOLT | 5 | 10-3/8 (264) | 7-1/8 (181) | 11-3/4 (299) | 67 (30) |
| 903 | L16RE-A* | 695 | - | 155 | 267 | 325 | 360 | 2.16 | 6 VOLT | 5 | 11-5/8 (295) | 7 (178) | 17-11/16 (450) | 115 (52) |
| 903 | L16RE-B* | 766 | - | 180 | 303 | 370 | 410 | 2.46 | 6 VOLT | 5 | 11-5/8 (295) | 7 (178) | 17-11/16 (450) | 118 (54) |
| 903 | L16RE-2V* | - | - | - | 909 | 1110 | 1235 | 2.47 | 2 VOLT | 5 | 11-5/8 (295) | 7 (178) | 17-11/16 (450) | 119 (54) |
| INDUSTRIAL LINE - DEEP-CYCLE FLOODED BATTERIES | | | | | | | | | | | | | | |
| N/A | IND9-6V | - | - | - | 355 | 445 | 545 | 3.27 | 6 VOLT | 14 | 15-3/8 (390) | 10-1/4 (260) | 24 (610) | 220 (100) |
| N/A | IND13-6V | - | - | - | 533 | 673 | 820 | 4.92 | 6 VOLT | 14 | 22-3/8 (568) | 10-1/4 (260) | 24 (610) | 315 (143) |
| N/A | IND17-6V | - | - | - | 711 | 897 | 1090 | 6.54 | 6 VOLT | 14 | 26-11/16 (678) | 10-1/4 (260) | 24 (610) | 415 (188) |
| N/A | IND23-4V | - | - | - | 977 | 1233 | 1500 | 6.00 | 4 VOLT | 14 | 22-3/8 (568) | 10-1/4 (260) | 24 (610) | 370 (168) |
| N/A | IND29-4V | - | - | - | 1245 | 1570 | 1910 | 7.64 | 4 VOLT | 14 | 26-11/16 (678) | 10-1/4 (260) | 24 (610) | 465 (211) |

| BCI GROUP SIZE | TYPE | CAPACITY ^A Minutes | | CAPACITY ^B Amp-Hours (AH) | | | ENERGY (kWh) | VOLTAGE | TERMINAL Type | DIMENSIONS ^C Inches (mm) | | | WEIGHT lbs. (kg) |
|---------------------------------|----------|-------------------------------|----------|--------------------------------------|------------|-------------|--------------|---------|---------------|-------------------------------------|-------------|---------------------|------------------|
| | | @25 Amps | @75 Amps | 5-Hr Rate | 20-Hr Rate | 100-Hr Rate | 100-Hr Rate | | | Length | Width | Height ^F | |
| DEEP-CYCLE GEL BATTERIES | | | | | | | | | | | | | |
| GC2 | 6V-GEL | 394 | - | 154 | 189 | 198 | 1.19 | 6 VOLT | 7 | 10-1/4 (260) | 7-1/8 (181) | 10-7/8 (276) | 68 (31) |
| DIN | TE35-GEL | 479 | - | 180 | 210 | 220 | 1.32 | 6 VOLT | 5, 8 | 9-5/8 (244) | 7-1/2 (190) | 10-7/8 (276) | 69 (31) |
| 8D | 8D-GEL | 500 | - | 188 | 225 | 265 | 3.18 | 12 VOLT | 5 | 21-1/16 (534) | 11 (279) | 10-13/16 (233) | 157 (71) |
| 24 | 24-GEL | 147 | - | 66 | 77 | 85 | 1.02 | 12 VOLT | 6, 7 | 10-7/8 (276) | 6-3/4 (171) | 9-5/16 (236) | 52 (24) |
| 27 | 27-GEL | 179 | - | 76 | 91 | 100 | 1.20 | 12 VOLT | 7 | 12-3/4 (324) | 6-3/4 (171) | 9-1/4 (234) | 63 (29) |
| 31 | 31-GEL | 200 | - | 85 | 102 | 108 | 1.30 | 12 VOLT | 7 | 12-15/16 (329) | 6-3/4 (171) | 9-5/8 (245) | 69 (31) |
| DIN | 5SHP-GEL | 250 | - | 110 | 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 ^A Minutes | | CRANKING Performance | | CAPACITY ^B Amp-Hours (AH) | | | ENERGY (kWh) | VOLTAGE | TERMINAL Type | DIMENSIONS ^C Inches (mm) | | | WEIGHT lbs. (kg) |
|---|---------------------------|----------------------------------|----------|--------------------------|-------------------------|--------------------------------------|------------|-------------|--------------|---------|---------------|-------------------------------------|---------------|---------------------|------------------|
| | | @25 Amps | @75 Amps | C.C.A. ^D @0°F | C.A. ^E @32°F | 5-Hr Rate | 20-Hr Rate | 100-Hr Rate | 100-Hr Rate | | | Length | Width | Height ^F | |
| MARINE/RV DEEP-CYCLE BATTERIES - with T2 TECHNOLOGY™ | | | | | | | | | | | | | | | |
| 24 | SCS150 | 150 | 36 | 530 | 650 | 80 | 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 | 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 | 130 | 144 | 1.73 | 12 VOLT | 10 | 13-15/16 (355) | 6-3/4 (171) | 9-7/8 (251) | 66 (30) |
| DEEP-CYCLE AGM BATTERIES | | | | | | | | | | | | | | | |
| U1 | U1-AGM | 42 | - | 240 | 306 | 29 | 33 | 34 | 0.408 | 12 VOLT | 13 | 8-3/16 (207) | 5-3/16 (132) | 6-13/16 (174) | 27 (12) |
| 22 | 22-AGM | 79 | - | 280 | 336 | 43.3 | 50 | 52 | 0.624 | 12 VOLT | 13 | 9 (229) | 5-8/16 (139) | 8-1/16 (205) | 40 (18) |
| 24 | 24-AGM | 137 | - | 500 | 600 | 67 | 76 | 84 | 1.01 | 12 VOLT | 6 | 10-3/4 (274) | 6-13/16 (174) | 8-11/16 (220) | 54 (24) |
| 27 | 27-AGM | 158 | - | 550 | 660 | 77 | 89 | 99 | 1.19 | 12 VOLT | 6 | 12-9/16 (318) | 6-13/16 (174) | 8-3/4 (221) | 64 (29) |
| 31 | 31-AGM | 177 | - | 600 | 720 | 82 | 100 | 111 | 1.33 | 12 VOLT | 6 | 13-7/16 (341) | 6-13/16 (174) | 9-3/16 (233) | 69 (31) |
| 31 | OverDrive™ AGM 31 | 180 | - | 600 | 720 | 84 | 102 | 112 | 1.34 | 12 VOLT | 11 | 13-7/16 (341) | 6-13/16 (174) | 9-1/4 (234) | 69 (31) |
| STARTING AGM BATTERY | | | | | | | | | | | | | | | |
| 31 | TransPower™ ST1000 AGM 31 | 200 | - | 1000 | 1200 | 88 | 102 | 105 | 1.26 | 12 VOLT | 11 | 13-7/16 (341) | 6-13/16 (174) | 9-1/4 (234) | 74 (34) |
| DUAL PURPOSE AGM BATTERIES | | | | | | | | | | | | | | | |
| GC2 | 6V-AGM | 385 | - | 1100 | 1400 | 154 | 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 | 230 | 254 | 3.05 | 12 VOLT | 6 | 20-1/2 (521) | 10-9/16 (269) | 9-3/16 (233) | 167 (76) |

* 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 nominal 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 100-Hour rates and 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on nominal 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 (12.7 mm) 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.

Terminal Configurations

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



Trojan batteries are available worldwide through Trojan's Master Distributor Network. We offer outstanding technical support, provided by full-time application engineers.

For a Trojan Master Distributor near you, call 800.423.6569 or + 1.562.236.3000 or visit www.trojanbattery.com

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