



# RENEWABLE ENERGY PRODUCT SPECIFICATION GUIDE

MODEL NAME	VOLTAGE	CAPACITY <sup>A</sup> AMP-HOURS (Ah)					ENERGY (kWh)	DEFAULT TERMINAL <sup>D</sup>	DIMENSIONS <sup>B</sup> INCHES (mm)			WEIGHT <sup>E</sup> LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
		10-Hr RATE	20-Hr RATE	48-Hr RATE	72-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH			
<b>SOLAR INDUSTRIAL LINE - DEEP-CYCLE FLOODED BATTERIES WITH SMART CARBON™ - 3,600 CYCLES @ 50% DOD</b>														
SIND 06 610	6 VOLT	421	472	540	578	610	3.66	14	15.33 (389)	10.22 (260)	24.01 (610)	220 (100)	Molded	Vertical
SIND 06 920	6 VOLT	627	708	813	870	920	5.52	14	22.34 (567)	10.30 (262)	24.01 (610)	315 (143)	Molded	Vertical
SIND 06 1225	6 VOLT	835	942	1083	1159	1225	7.35	14	27.13 (689)	10.44 (265)	24.01 (610)	415 (188)	Molded	Vertical
SIND 04 1685	4 VOLT	1149	1293	1489	1594	1685	6.74	14	22.34 (567)	10.30 (262)	24.01 (610)	367 (167)	Molded	Vertical
SIND 04 2145	4 VOLT	1474	1647	1896	2030	2145	8.58	14	27.22 (691)	10.44 (265)	24.01 (610)	465 (211)	Molded	Vertical
SIND 02 1990	2 VOLT	1393	1547	1771	1889	1990	3.98	14	15.33 (389)	10.22 (260)	24.01 (610)	235 (107)	Molded	Vertical
SIND 02 2450	2 VOLT	1712	1882	2166	2318	2450	4.90	14	17.33 (440)	10.22 (260)	24.01 (610)	278 (125)	Molded	Vertical
<b>SOLAR PREMIUM LINE - DEEP-CYCLE FLOODED BATTERIES WITH SMART CARBON™ - 1,900 CYCLES @ 50% DOD</b>														
SPRE 12 225*	12 VOLT	179	204	212	216	225	2.70	6	14.97 (380)	6.91 (176)	14.71 (374)	132 (60)	Braided Rope	Vertical
SPRE 06 255	6 VOLT	211	229	244	249	255	1.53	16	10.30 (262)	7.13 (181)	11.74 (298)	67 (30)	Embedded	Vertical
SPRE 06 415*	6 VOLT	346	377	401	410	415	2.50	5	11.66 (296)	6.94 (176)	17.55 (446)	118 (54)	Braided Rope	Vertical
SPRE 02 1255*	2 VOLT	1039	1130	1203	1232	1255	2.51	5	11.66 (296)	6.94 (176)	17.55 (446)	119 (54)	Braided Rope	Vertical
<b>SOLAR SIGNATURE LINE - DEEP-CYCLE FLOODED BATTERIES - 1,200 CYCLES @ 50% DOD</b>														
SSIG 12 170	12 VOLT	136	153	157	164	170	2.04	2	13.95 (354)	7.13 (181)	10.71 (272)	84 (38)	Braided Rope	Vertical
SSIG 12 230*	12 VOLT	192	209	214	223	230	2.76	6	14.97 (380)	6.91 (176)	14.67 (373)	114 (52)	Braided Rope	Vertical
SSIG 12 255*	12 VOLT	211	229	237	247	255	3.06	6	14.97 (380)	6.91 (176)	14.67 (373)	123 (56)	Braided Rope	Vertical
SSIG 06 235	6 VOLT	196	214	220	228	235	1.42	1	10.30 (262)	7.13 (181)	10.74 (273)	58 (26)	Embedded	Vertical
SSIG 06 255	6 VOLT	211	229	237	247	255	1.53	1	10.30 (262)	7.13 (181)	10.74 (273)	62 (28)	Embedded	Vertical
SSIG 06 290	6 VOLT	243	265	271	281	290	1.74	1	10.30 (262)	7.13 (181)	11.48 (292)	72 (33)	Embedded	Vertical
SSIG 06 375*	6 VOLT	309	336	348	363	375	2.25	6	11.66 (296)	6.94 (176)	14.37 (365)	96 (44)	Braided Rope	Vertical
SSIG 06 405*	6 VOLT	337	366	376	392	405	2.43	6	11.66 (296)	6.94 (176)	14.37 (365)	98 (44)	Braided Rope	Vertical
SSIG 06 475*	6 VOLT	393	428	441	459	475	2.85	5	11.66 (296)	6.94 (176)	17.55 (446)	114 (52)	Braided Rope	Vertical
SSIG 06 490*	6 VOLT	407	443	455	474	490	2.94	5	11.66 (296)	6.94 (176)	17.55 (446)	125 (57)	Braided Rope	Vertical
<b>SOLAR SIGNATURE LINE - DEEP-CYCLE FLOODED BATTERIES - 600 CYCLES @ 50% DOD</b>														
SSIG 12 95	12 VOLT	79	87	88	92	95	1.14	7	10.92 (277)	6.62 (168)	9.25 (235)	47 (21)	Molded Plastic	Vertical
SSIG 12 120	12 VOLT	99	107	111	116	120	1.44	9	12.84 (326)	6.60 (168)	9.74 (247)	55 (25)	Molded Plastic	Vertical
SSIG 12 145	12 VOLT	122	132	135	140	145	1.74	9	13.94 (354)	6.75 (171)	10.09 (256)	66 (30)	Braided Rope	Vertical
MODEL NAME	VOLTAGE	CAPACITY <sup>A</sup> AMP-HOURS (Ah)					ENERGY (kWh)	DEFAULT TERMINAL <sup>D</sup>	DIMENSIONS <sup>B</sup> INCHES (mm)			WEIGHT <sup>E</sup> LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
		10-Hr RATE	20-Hr RATE	48-Hr RATE	72-Hr RATE	100-Hr RATE			100-Hr RATE	LENGTH	WIDTH			
<b>SOLAR AGM LINE - DEEP-CYCLE AGM BATTERIES - 1,700 CYCLES @ 50% DOD</b>														
SAGM 12 105	12 VOLT	94	105	109	111	113	1.26	15	12.80 (325)	6.81 (173)	9.34 (237)	67 (30)	Molded Plastic	Horizontal and Vertical
SAGM 12 135	12 VOLT	131	135	136	137	137	1.62	15	12.96 (329)	7.06 (179)	10.96 (278)	83 (38)	Embedded	Horizontal and Vertical
SAGM 12 205	12 VOLT	174	205	210	213	216	2.46	15	14.97 (380)	6.94 (176)	14.07 (357)	131 (59)	Braided Rope	Horizontal and Vertical
SAGM 08 165	8 VOLT	145	165	168	171	174	1.32	15	10.30 (262)	7.06 (179)	10.73 (273)	70 (32)	Embedded	Horizontal and Vertical
SAGM 06 220	6 VOLT	190	220	228	231	235	1.32	15	10.30 (262)	7.06 (179)	10.73 (273)	68 (31)	Embedded	Horizontal and Vertical
SAGM 06 315	6 VOLT	278	315	326	331	335	1.89	15	11.66 (296)	6.94 (176)	13.99 (355)	95 (43)	Braided Rope	Horizontal and Vertical
SAGM 06 375	6 VOLT	329	375	389	394	400	2.25	15	11.66 (296)	6.94 (176)	16.31 (414)	114 (52)	Braided Rope	Horizontal and Vertical

BCI GROUP SIZE	MODEL NAME	VOLTAGE	NOMINAL CAPACITY	CAPACITY AMP-HOURS (Ah)			ENERGY (kWh)	SHORT CIRCUIT CURRENT (A)	TERMINAL TYPE	DIMENSIONS <sup>B</sup> INCHES (mm)			WEIGHT <sup>E</sup> LBS. (kg)
				5-Hr (18A)	10-Hr (9A)	20-Hr (5A)	20-Hr			LENGTH	WIDTH	HEIGHT <sup>C</sup>	

### TRILLIUM™ DEEP-CYCLE LITHIUM BATTERIES

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 (12.3)
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 (13.6)
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)	11.7 (5.3)

BCI GROUP SIZE	MODEL NAME	VOLTAGE	CAPACITY <sup>F</sup> AMP-HOURS (Ah)			ENERGY (kWh)	DEFAULT TERMINAL <sup>D</sup>	DIMENSIONS <sup>B</sup> INCHES (mm)			WEIGHT <sup>E</sup> LBS. (kg)
			5-Hr RATE	20-Hr RATE	100-Hr RATE	100-Hr RATE		LENGTH	WIDTH	HEIGHT <sup>C</sup>	

### SOLAR DEEP-CYCLE AGM BATTERIES - 1,000 CYCLES @ 50% DOD

U1	U1-AGM	12 VOLT	29	33	34	0.41	15	7.78 (198)	5.20 (132)	6.75 (171)	27 (12)
24	24-AGM	12 VOLT	67	76	84	1.01	6	10.77 (274)	6.84 (174)	8.62 (219)	54 (24)
27	27-AGM	12 VOLT	77	89	99	1.19	6	12.05 (306)	6.84 (174)	9.32 (237)	64 (29)
GC12	12-AGM	12 VOLT	112	140	144	1.72	15	13.54 (344)	6.76 (172)	10.88 (276)	100 (45)

### SOLAR DEEP-CYCLE GEL BATTERIES - 1,000 CYCLES @ 50% DOD

24	24-GEL	12 VOLT	66	77	85	1.02	6	10.92 (277)	6.61 (168)	9.26 (235)	52 (24)
27	27-GEL	12 VOLT	76	91	100	1.20	7	12.73 (323)	6.38 (162)	9.26 (235)	62 (28)
DIN	5SHP-GEL	12 VOLT	110	125	137	1.64	8	13.58 (345)	6.75 (172)	11.01 (280)	85 (39)
8D	8D-GEL	12 VOLT	188	225	265	3.18	5	20.69 (526)	10.95 (278)	10.82 (275)	168 (76)
GC8	8V-GEL	8 VOLT	114	140	160	1.28	6	10.31 (262)	7.13 (181)	10.88 (276)	70 (32)
GC2	6V-GEL	6 VOLT	154	189	198	1.19	6	10.25 (260)	7.08 (180)	10.82 (275)	68 (31)
DIN	TE35-GEL	6 VOLT	180	210	220	1.32	8	9.64 (245)	7.51 (191)	10.65 (271)	69 (31)



\*Polyon™ Case

- A. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 86°F (30°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. Dimensions may vary depending on type of handle or terminal. Batteries to be mounted with .5 inches (12.7 mm) spacing minimum.
- C. Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

D. Terminal images are representative only.

E. Weight may vary.

F. The amount of amp-hours (Ah) for Deep-Cycle AGM and GEL batteries 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.

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

- Additional Terminals Available

## TERMINAL CONFIGURATIONS<sup>D</sup>



Applies to Solar AGM battery line only

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



Canada: 1-888-271-8888

United States: 1-844-370-0258

Panama: +507-292-4776

sales@magnacharge.com