



# Limited Warranty for Renewable Energy Applications

Trojan Battery Company warrants only to the original purchaser that any RE Series product used in solar or renewable energy applications which becomes unserviceable (not merely discharged) due to defect in material and/or workmanship within the free replacement period stated below will be replaced without charge. This warranty applies to the original purchaser of the battery and is non-transferable.

**WARRANTY EXCLUSIONS**

Trojan Battery Company will not be responsible for any expenses for transportation, installation, recharging, electrical system tests, loss of time, loss of use of equipment, or other expenses which would be considered as incidental or consequential damages.

**THE PROVISIONS OF THIS LIMITED WARRANTY SHALL NOT APPLY TO FAILURE DUE TO:**

Abuse or neglect such as improper fluid levels (over or under-watered), damage from shipping, loose wiring, rusted or corroded hardware, improper maintenance, improper installation, neglect, breakage, cracked covers and cases, bulged cases from heat, freezing, fire, explosion, wreckage, exposure to excessive heat or cold temperatures, the addition of any chemical or solution other than approved water, insufficient charging (undercharging or overcharging), use of the battery in an uncharged condition, discharged batteries, improperly sized batteries or oversized battery sets, batteries damaged from electrical equipment or if the manufacturing codes have been destroyed or tampered with. The battery must be used in the application for which it was designed.

The battery owner will read warning labels on the battery and exercise due care in working on or around it. When adding water to the battery, the owner may use any method, tool, or system, as long as they maintain the fluid at the recommended level and do not over or under-water the battery. The battery is intended to be used by persons with training or experience with batteries.

**GENERAL LIMITED WARRANTY:**

	Battery Type	Free Replacement (months)	Pro-rated (months)
RE Series	L16RE-A, L16RE-B, L16RE-2V	24	60

**HOW TO RECEIVE WARRANTY SERVICE:**

To resolve problems covered by this warranty for solar and renewable energy applications, contact the local distributor you purchased the batteries from to confirm the defect. You will need to provide proof of purchase along with the date code for the batteries. The Solar and Renewable Energy Limited Warranty starts from the date sold and applies only to solar/renewable energy applications. During the free replacement period, the battery will be repaired or replaced with a similar or one of equal value. Pro-ration is based on manufacturer's suggested retail price using the formula below:

$$\frac{\text{(Current Manufacturer's Suggested Retail Price)}}{\text{Warranty Period (in months)}} \times (\# \text{ of Months in Service}) = \text{Replacement Cost}$$

Trojan Battery Company reserves the right to add or delete batteries from those listed above as they become available or are obsolete.

**LIMITATION ON IMPLIED WARRANTIES:**

Trojan Battery Company makes no express warranties with respect to its batteries other than the limited warranties stated above.

**DISCLAIMER OF CONSEQUENTIAL DAMAGES:**

Trojan Battery Company shall not have any liability for any incidental or consequential damages.

**APPLICATION OF STATE LAW:**

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Amp-Hours (AH)			TERMINAL TYPE (See Below)	DIMENSIONS <sup>B</sup> Inches (mm)			WEIGHT lbs. (kg)
		5 Hr Rate	20 Hr Rate	100 Hr Rate		L	W	H <sup>C</sup>	
<b>2 VOLT DEEP CYCLE BATTERIES</b>									
903	L16RE-2V*	-	1110	1235	9	11 5/8 (295)	7 (178)	17 11/16 (450)	119 (54)
<b>6 VOLT DEEP CYCLE BATTERIES</b>									
GC2	T-105	185	225	250	1,3,4,5,9	10 3/8 (264)	7 1/8 (181)	10 7/8 (276)	62 (28)
GC2	T-105 Plus	185	225	250	1,2,4	10 3/8 (264)	7 1/8 (181)	10 11/16 (272)	62 (28)
GC2	T-125	195	240	266	1,3,4,5,9	10 3/8 (264)	7 1/8 (181)	10 7/8 (276)	66 (30)
GC2	T-125 Plus	195	240	266	1,2,4	10 3/8 (264)	7 1/8 (181)	10 11/16 (272)	66 (30)
902	J305G	-	310	343	5	12 1/4 (311)	7 (178)	14 3/8 (365)	90 (41)
903	L16RE-A*	-	325	360	9	11 5/8 (295)	7 (178)	17 11/16 (450)	115 (52)
903	L16RE-B*	-	370	410	9	11 5/8 (295)	7 (178)	17 11/16 (450)	118 (54)
<b>8 VOLT DEEP CYCLE BATTERIES</b>									
GC8	T-860	125	150	167	1	10 3/8 (264)	7 1/8 (181)	10 7/8 (276)	58 (26)
GC8	T-875	145	170	189	1,3,4	10 3/8 (264)	7 1/8 (181)	10 7/8 (276)	63 (29)
GC8	T-890	155	190	211	1,3,4	10 3/8 (264)	7 1/8 (181)	10 7/8 (276)	69 (31)
<b>12 VOLT DEEP CYCLE BATTERIES</b>									
24	24TMX	-	85	94	3,9	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	47 (21)
27	27TMX	-	105	117	3,9	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	55 (25)
27	27TMH	-	115	128	3,4,5,9	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	61 (28)
30H	30XHS	-	130	144	3,4,5,9	13 15/16 (355)	6 3/4 (171)	10 1/16 (256)	66 (30)
N/A	J150	-	150	166	2	13 13/16 (351)	7 1/8 (181)	11 1/8 (283)	84 (38)
N/A	J150 Plus	-	150	166	1,2,4	13 13/16 (351)	7 1/8 (181)	11 1/8 (283)	84 (38)
921	J185G	-	180	199	6	15 1/2 (394)	7 (178)	14 5/8 (371)	105 (48)
921	J185P	-	195	216	6	15 (381)	7 (178)	14 5/8 (371)	113 (51)
921	J185H	-	215	239	6	15 (381)	7 (178)	14 5/8 (371)	127 (58)
N/A	DC-500ML	-	450	500	4,9	19 1/4 (489)	10 5/8 (270)	16 3/4 (425)	332 (151)
<b>6 VOLT DUAL PURPOSE AGM BATTERIES</b>									
GC2	6V-AGM	-	200	221	6	10 1/4 (260)	7 1/8 (181)	10 3/4 (274)	65 (29)
<b>12 VOLT DUAL PURPOSE AGM BATTERIES</b>									
24	24-AGM	-	80	88	6	10 1/4 (260)	6 5/8 (168)	9 1/2 (241)	52 (24)
27	27-AGM	-	100	111	6	12 1/16 (306)	6 5/8 (168)	9 7/16 (239)	67 (30)
31	31-AGM	-	110	122	6	12 15/16 (329)	6 13/16 (173)	9 5/16 (237)	74 (34)
4D	4D-AGM	-	165	182	6	20 7/8 (530)	8 1/4 (209)	9 5/8 (244)	125 (57)
8D	8D-AGM	-	230	254	6	20 1/2 (521)	10 9/16 (269)	9 3/16 (233)	167 (76)
<b>6 VOLT DEEP-CYCLE GEL BATTERIES</b>									
GC2	6V-GEL	-	189	198	5	10 1/4 (260)	7 1/8 (181)	10 7/8 (276)	68 (31)
<b>12 VOLT DEEP-CYCLE GEL BATTERIES</b>									
24	24-GEL	-	77	85	5,6	10 7/8 (276)	6 3/4 (171)	9 5/16 (236)	52 (24)
27	27-GEL	-	91	100	5	12 3/4 (324)	6 3/4 (171)	9 1/4 (234)	63 (29)
31	31-GEL	-	102	108	5	12 15/16 (329)	6 3/4 (171)	9 5/8 (245)	69 (31)

\* 7-year warranty

- A. The amount of amp-hours (AH) a battery can deliver when discharged at a constant rate at 80°F (27°C) for the 20 Hr and 100 Hr rates and 86°F (30°C) for the 5 Hr rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. Dimensions are based on maximum size. Dimensions may vary depending on type of handle or terminal.
- C. Dimensions taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

### Tips for Maximizing Your Battery Life

**Store and operate your batteries in a cool, dry place.** For every 10°C (18°F) rise above room temperature (25°C or 77°F), battery life decreases by 50%.

**Charge your batteries fully after each period of use.** Allowing your batteries to sit in a low state of charge for extended periods will decrease their capacity and life.

If you store your batteries for an extended period of time, be sure to charge them fully every 3 to 6 months. Lead acid batteries will self-discharge 5% to 15% per month, depending on the temperature of the storage conditions.

Monitor battery voltage and specific gravity of the electrolyte regularly to verify full recharging. As a general rule of thumb, the total amps from your PV panels should be sized between 10% and 20% of the total amp-hours (Ah) of the battery pack.

Many charge controllers have equalization settings that you can set to help ensure the health of your batteries. Equalize your batteries at least once per month for 2 to 4 hours, longer if your batteries have been consistently undercharged.

**Water your batteries regularly.** Flooded, or wet cell batteries require watering periodically. Check your batteries once a month after installation to determine the proper watering schedule. Add water after fully charging the battery and use distilled water.

**For procedures on watering, checking battery voltage and other maintenance instructions, refer to our TECH SUPPORT section on our website, [www.trojanbattery.com](http://www.trojanbattery.com), or Trojan Battery User's Guide.**

### TERMINAL CONFIGURATIONS

