



## **RE SERIES**

### **Superior Life, Durability and Charge Performance**

With over 80 years of experience, Trojan Battery – the most trusted name in deep cycle technology – has made the industry’s best performing batteries even better. Trojan’s **Renewable Energy (RE) Series** (L16RE-2V, L16RE-A, L16RE-B and the new T105-RE) is a line of technologically-advanced lead acid deep cycle batteries, optimized for renewable energy applications such as solar/photovoltaic, small wind, and micro hydro.

**Trojan’s RE Series is available in 2-volt and 6-volt sizes and offers brand new features and benefits unmatched in the industry:**

- **DuraGrid™** technology provides a 10-year design life and excellent charge efficiency
- **Maxguard® XL** Advanced Design Separator is 30% thicker and stronger, resists stratification, extends life and lowers overall maintenance costs
- **Alpha Plus®** paste formulation promotes longer life and optimum performance
- **Polyon™** container – our ultra-rugged case design stands up to the harshest of environments
- **High capacity 2V battery** – our L16RE-2V battery minimizes battery connections and lowers installation cost
- **Lower specific gravity** improves charge performance and extends life
- **Best-in-class limited warranty\***

Trojan Battery’s durability, longevity and proven technology means you can depend on our batteries for consistent performance in any application—whether it’s for energy saving grid-tie backup systems or off-grid power in remote locations. We offer outstanding technical support provided by full-time application engineers. *Trojan batteries are available worldwide through Trojan’s Master Distributor Network and Renewable Energy Wholesalers.*

**Call 800-423-6569 or +1-562-236-3000 for more information or visit us at [www.trojanbattery.com/RE](http://www.trojanbattery.com/RE)**

# RE SERIES

BCI GROUP SIZE	TYPE	CAPACITY <sup>A</sup> Amp-Hours (AH)			TERMINAL TYPE (See Below)	DIMENSIONS Inches (mm)			WEIGHT lbs. (kg)
		5 Hr Rate	20 Hr Rate	100 Hr Rate		L	W	H <sup>B</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>									
GC2H	T105-RE	-	225	250	9	10 3/8 (264)	7 1/8 (181)	11 3/4 (299)	67 (30)
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)

- 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 taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

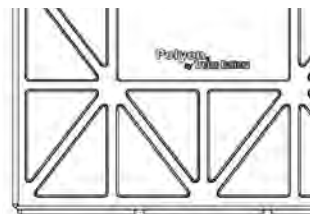
## Best-in-Class Limited Warranty for RE Series:

Battery Type	Free Replacement (months)	Pro-rated (months)	Total (months)
L16RE-A, L16RE-B, L16RE-2V	24	60	84
T105-RE	24	36	60

## State of Charge as a measure of Specific Gravity and Open-Circuit Voltage

Percentage Charge	Specific Gravity	Open Circuit Voltage					
		Cell	6V	12V	24V	36V	48V
100	1.265	2.110	6.33	12.66	25.32	37.98	50.64
90	1.246	2.091	6.27	12.55	25.09	37.64	50.18
80	1.227	2.072	6.22	12.43	24.86	37.30	49.73
70	1.207	2.052	6.16	12.31	24.62	36.94	49.25
60	1.187	2.032	6.10	12.19	24.38	36.58	48.77
50	1.165	2.010	6.03	12.06	24.12	36.18	48.24
40	1.142	1.987	5.96	11.92	23.84	35.77	47.69
30	1.119	1.964	5.89	11.78	23.57	35.35	47.14
20	1.096	1.941	5.82	11.65	23.29	34.94	46.58
10	1.072	1.917	5.75	11.50	23.00	34.51	46.01

(Battery specifications are subject to change without notice.)



\* Polyon™ Case

## Terminal Type



L-Terminal



For a Trojan Master Distributor or a Renewable Energy Wholesaler near you, call 800-423-6569 or +1-562-236-3000 or visit us at [www.trojanbattery.com/RE](http://www.trojanbattery.com/RE)