

TROJAN LITHIUM-ION CHARGER COMPATIBILITY GUIDE



Battery Voltage	Charger Model Number	Wattage	Battery Profile	Application Notes
48	Lester Summit II Model 30410 V2 Rev 06	1050	22985	System Profile 21046
48	Lester Summit II Model 30600	650	22762	System Profile 21046
48	Eagle Performance Series I4818LITH & I4818CH	900	Trojan GC2 LiON	48V/18A
48	Delta Q QUIQ Model 912-4800	1000	261	
48	Delta Q Model RC-900-U48D	900	261	Part number 944-003
48	Delta Q Model IC-900-048-COMM	900	261	Part number 942-010
48	SPE CBHF2 48-15	720	Trojan Lithium	
48	SPE CBHF2 48-20	960	Trojan Lithium	
36	Lester Summit II Model 30600	650	22740 V3	System Profile 21046
36	Lester Summit II Model 20410	1050	22940 V3	System Profile 21046
36	Delta Q Model IC900-036-COMM	900	261	
36	SPE CBHF2 36-15	540	Trojan Lithium	
36	SPE CBHF2 36-20	720	Trojan Lithium	
36	SPE CBHF2 36-25	900	Trojan Lithium	
24	Lester Summit II Model 29300	650	22662 V5	System Profile 21046
24	Lester Summit II Model 30410 V2 Rev 06	1050	22662 V5	System Profile 21046
24	Lester Summit II Model 29510	1425	22862 V4	System Profile 21301
24	Eagle Performance Model I2425	600	Trojan GC2 LiON	24V/25A
24	SPE CBHF2 24-15	360	Trojan Lithium	
24	SPE CBHF2 24-20	480	Trojan Lithium	
24	SPE CBHF2 24-25	600	Trojan Lithium	
24	SPE CBHF2 24-30	720	Trojan Lithium	

Requirements Utilized for Charger Qualifications

Starting rates need to be within specified start of charge rate for 48, 36 and 24 volt GC2 products*

- ▶ 48V < 34.2A
- ▶ 36V < 45.6A
- ▶ 24V < 68.4A

1

For use with chargers without a profile, voltages need to be within the range of 3.40 to 3.50 volts per cell.

2

End-of-charge current needs to be:

- ▶ 500 mA for 48 V battery
- ▶ 500 mA for 36V batteries
- ▶ <1A for 24 V batteries

3

Chargers that satisfy the above requirements will display "Charge Complete" on the battery's BMS Details screen in GUI program. "Charge Complete" needs to be attained within the BMS so that the Fuel Gauge can be properly updated for battery state of charge. Charger firmware should be kept up to date for optimum performance. Contact charger manufacturer for firmware updates.

*Starting rates will be reduced with a reduction in ambient temperature.

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