

**DATA SHEET****Model TGL-BC-7.4-5000  
Lithium Ion Battery Charger****Input**

Input Voltage	Operation Range	90-264 Vac
	Nominal Range	100-240 Vac
Input Frequency	Rated	47-63 Hz
	Nominal	50-60 Hz
Line Regulation	±1%, with rated output load conditions	
Input Current	≤ 0.3 A	
Inrush Current	≤ 40 A, with an input voltage of 115 Vac at a cold start of 25°C ≤ 80 A, with an input voltage of 230 Vac at a cold start of 25°C	
Leakage Current	≤ 0.25 mA, with an input voltage of 240 Vac	

**Output****Charge Characteristics****Stage 1**

Fast Charge: Constant Current (CC)	2 A ± 5%
------------------------------------	----------

**Stage 2**

Constant Voltage (CV)	8.4 Vdc ± 2%
-----------------------	--------------

**Trickle Charge**

Charger will continue to supply reduced current to keep battery topped off

Over-Current Protection	Protected from over-current conditions with auto-recovery
-------------------------	---

Short Circuit Protection	Protected from short circuit conditions with auto-recovery
--------------------------	--

**Environmental**

Operating Temperature	0°C to 40°C, with 0-95%, non-condensing, relative humidity
-----------------------	--

Storage Temperature	-10°C to 80°C, with 0-95%, non-condensing, relative humidity
---------------------	--

Temperature Coefficient	± 0.04% °C maximum
-------------------------	--------------------

**General**

Withstanding Voltage	3,000 Vac for 3 seconds, with a trip current set to 5 mA, from primary to secondary
----------------------	---

Mean Time Between Failures (MTBF)	100,000 hr min, with rated load conditions and a 25°C ambient room temp.
-----------------------------------	--

EMI Requirements	Meets conduction and radiation limits of FCC Part 15 Class B and EN 55022
------------------	---

Safety Requirements	Meets or exceeds UL 60950-1
---------------------	-----------------------------

Industry Compliance	RoHS Directive 2011/65/EU Compliant
---------------------	-------------------------------------

Safety Approvals	UL/CUL, FCC
------------------	-------------

**Configuration**

Case Style	Wall Plug-in with LED Indicator
------------	---------------------------------

Input	2 Prong, U.S., Blades
-------	-----------------------

Output Connector	30", 18 AWG x 2 C, UL 1015 cable with 2 pin, molded, automotive connector
------------------	---