

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

Input Voltage	Operation Range Nominal Range	90-264 Vac 100-240 Vac
Input Frequency	Rated Nominal	47-63 Hz 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%
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Stage 2

Constant Voltage (CV)	8.4 Vdc ± 2%
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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
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Short Circuit Protection	Protected from short circuit conditions with auto-recovery
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Environmental

Operating Temperature	0°C to 40°C, with 0-95%, non-condensing, relative humidity
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Storage Temperature	-10°C to 80°C, with 0-95%, non-condensing, relative humidity
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Temperature Coefficient	± 0.04% °C maximum
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General

Withstanding Voltage	3,000 Vac for 3 seconds, with a trip current set to 5 mA, from primary to secondary
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Mean Time Between Failures (MTBF)	100,000 hr min, with rated load conditions and a 25°C ambient room temp.
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EMI Requirements	Meets conduction and radiation limits of FCC Part 15 Class B and EN 55022
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Safety Requirements	Meets or exceeds UL 60950-1
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Industry Compliance	RoHS Directive 2011/65/EU Compliant
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Safety Approvals	UL/CUL, FCC
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Configuration

Case Style	Wall Plug-in with LED Indicator
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Input	2 Prong, U.S., Blades
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Output Connector	30", 18 AWG x 2 C, UL 1015 cable with 2 pin, molded, automotive connector
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