# DATA SHEET

## Model TGL-BC-7.4-5000

### Lithium Ion Battery Charger

## Input

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td><strong>Operation Range</strong> 90-264 Vac</td>
</tr>
<tr>
<td></td>
<td><strong>Nominal Range</strong> 100-240 Vac</td>
</tr>
<tr>
<td></td>
<td><strong>Input Frequency</strong> 47-63 Hz</td>
</tr>
<tr>
<td></td>
<td><strong>Nominal</strong> 50-60 Hz</td>
</tr>
<tr>
<td><strong>Line Regulation</strong></td>
<td>±1%, with rated output load conditions</td>
</tr>
<tr>
<td><strong>Input Current</strong></td>
<td>≤ 0.3 A</td>
</tr>
<tr>
<td><strong>Inrush Current</strong></td>
<td>≤ 40 A, with an input voltage of 115 Vac at a cold start of 25°C</td>
</tr>
<tr>
<td></td>
<td>≤ 80 A, with an input voltage of 230 Vac at a cold start of 25°C</td>
</tr>
<tr>
<td><strong>Leakage Current</strong></td>
<td>≤ 0.25 mA, with an input voltage of 240 Vac</td>
</tr>
</tbody>
</table>

## 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

### 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