8.4V Li-Ion Battery Car Charger

**Features**

- Safe and Fast charge for 8.4V Li-Ion/Polymer Battery Packs
- CC-CV charge method
- Safety backup termination at maximum time
- Pre-charge qualification
- Charge status indication by two LEDs
- Over charge and short circuit protection
- IP65 Rated
- MIL-STD-1275A Protection

**Specifications**

- **Input Voltage range**: 9-28VDC
- **Maximum Charge voltage**: 8.4V
- **Charge Current**: 3A
- **Operating Temperature**: -20 ~ 60ºC
- **Storage Temperature**: -40 ~ 85ºC
- **LED Indication**:
  - **Charge Mode**: Red LED ON
  - **Charge Complete**: Green LED ON
  - **Fault Battery**: Red LED blinks
- **Dimensions (without cable and connector)**: 40x81x165 mm
- **Approx. weight (including cable)**: 500 gr

**Connectors outline**

<table>
<thead>
<tr>
<th>INPUT CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Input Negative (-)</td>
</tr>
<tr>
<td>2 N.C.</td>
</tr>
<tr>
<td>3 Input Positive (+)</td>
</tr>
<tr>
<td>4 N.C.</td>
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<table>
<thead>
<tr>
<th>OUTPUT CONNECTOR</th>
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<tbody>
<tr>
<td>- +</td>
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</table>
Schematic block diagram

10-30VDC

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td>INPUT</td>
<td>Input Filter</td>
<td>DC-DC Buck-Boost Converter</td>
<td>Li-Ion Charger 8.4V 3A</td>
</tr>
</tbody>
</table>

Mechanical drawing

81 mm

40 mm

130 mm

165 mm