**PSC-2410000-LIFE-EU 8-CELL 10.0A**

LiFePO4 Battery Charger
PSC-LiFe Battery Charger Series

**FEATURES**
- 3-step charge control with current detection
- Input voltage 198 - 264 VAC
- Wake up and low current start-up of deeply discharged batteries
- Error indication for reverse polarity, defect battery & safety timer run-out

**APPROVALS**
- DOE compliant
- ISO9001:2015 – Quality management systems
- CE compliant
- Medically certified EN60601-1 3.1 & EN60601-1-2 4
- UL approved

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>198 - 264 VAC</td>
</tr>
<tr>
<td>Line frequency</td>
<td>47 – 50Hz</td>
</tr>
<tr>
<td>Switch frequency, approx</td>
<td>65 kHz</td>
</tr>
<tr>
<td>Leakage current from battery with mains switched off</td>
<td>&lt;160μ<a href="mailto:A@29.2V">A@29.2V</a></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-25 °C - +40 °C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-25 °C - +65 °C</td>
</tr>
<tr>
<td>Derating</td>
<td>7A @ 40 °C</td>
</tr>
<tr>
<td>Max output power</td>
<td>292W</td>
</tr>
</tbody>
</table>

**Charge Control (see charger diagram)**

- **Step 0**: Low current start-up for: CC 0.8A±0.2A when batt volt < 21V
- **Step 0 > 10min (Red: 4 blinks)**: Battery voltage too low: 0A / 0V
- **Step 1 (Yellow)**: Charge current: 10A ±0.3A
- **Step 2 (Flash yellow)**: Charge voltage: 29.2V ± 0.2V
- **Step 3 (Green)**: Charge term when current is: < 0.8A or max. 1 hr. 26.4V
- **Restart**: Safety Timer (72 Hours)

**Protection**
- Protected against reversed polarity, short circuit and thermal run-off

**Insulation class**
- Class II

**Insulation voltage**
- Primary: 4000VAC
- Secondary: 5700VDC

**Electrical safety**
- EN60601 (Edition 3.1)

**EMC standards**
- EN60601-1-2:2015 (Edition 4)

**Input terminal**
- 2-pin IEC 60320 connector

**Output terminal**
- Battery clips

**IP rating**
- IP44

**Dimensions (LxWxH)**
- 210 x 113 x 53mm

**Weight**
- 1150g

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To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

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