Dual battery series

EPIPDB-COM
Dual battery solar controller
Rated Current: 10A, 20A
System Voltage: 12/24V Auto Work

EPIPDB-COM series can charge two battery banks. No load terminals

- Two battery charging eliminates the extra cost of two separate solar charging system
- Intelligent System Optimum Control
- 12/24V auto work
- Battery type selection
- Charging frequency optional
- High efficient Series PWM charging
- Local external temperature compensation
- Remote temperature sensor optional
- Use MOSFET as electronic switch, without any mechanical switch
- Remote meter MT-1 optional
- Electronic protection: over charging, short circuit, battery reverse polarity protection
Application:

★ RVs, Caravans, bus, boats etc.

Model selection:

**EPIPDB-COM 10A, 12/24V AUTO**

Ideal for off-grid solar system up to 120W, 12V or 270W, 24V

**EPIPDB-COM 20A, 12/24V AUTO**

Ideal for off-grid solar system up to 270W, 12V or 550W, 24V

Our Advantage:

★ sophisticated R&D has over 20 years research experience’s and works in close collaboration with Beihang University.

★ Professional technical and service team

★ Using world top class electronic components; all the components are industrial grade

★ High quality products with reasonable price; the failure rate is less than 2 per1000 pcs

★ Practical application in more than 120 countries

★ Expected 10 years lifetime

★ 2 years warranty
**Electrical parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Seal</th>
<th>Flooded</th>
<th>Gel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery charging setting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equalize charging voltage</td>
<td>14.4V</td>
<td>14.6V</td>
<td>14.8V</td>
</tr>
<tr>
<td>Boost charging voltage</td>
<td>14.2V</td>
<td>14.4V</td>
<td>14.6V</td>
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<tr>
<td>Float charging voltage</td>
<td>13.7V</td>
<td>13.7V</td>
<td>13.7V</td>
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<tr>
<td>Max. solar voltage</td>
<td>30V</td>
<td>55V</td>
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<tr>
<td>Battery voltage range</td>
<td></td>
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</tr>
<tr>
<td>Self consumption</td>
<td>4mA at night, 10mA at charging</td>
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<td></td>
</tr>
<tr>
<td>Meterbus connection</td>
<td>8-pin RJ-45</td>
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<tr>
<td>Temp. compensation</td>
<td>-30mv/°C/12V</td>
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</tbody>
</table>

**Environmental parameters**

- Working temperature: -35°C to +55°C
- Humidity: 10% - 90% NC
- Enclosure: IP30
- Terminal: 4mm²
- Net weight: 0.15KG

**Mechanical Dimension EPDB-COM**

www epsolarpv.com