EPIPDB-COM

Duo-battery charging solar controller For RVs, Caravans, and boats

EPIPDB-COM is two battery solar controllers with optional remote meter.

Features
Microcontroller digital accuracy
PWM Charge mode
State of charge (SOC)
Temperature compensation
Automatic detection of the voltage
External temperature sensor
Remote temperature sensor (option)
Remote meter MT-1(option) shows the working data and condition
Battery type option
Battery AH setting
Charging priority setting
Modify parameters through four keys

Electronic protection
Short circuit protection
Reverse polarity protection
Reverse current protection at night
Over charging or discharging protection
Over load protection
**Display**

LCD display: all systems parameters in digital value, system status as symbols

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**Technical specification**

**EPIDP-COM series:** 12/24 VOLT auto work, 10AMPS (for PV and load)

12/24 VOLT auto work, 20 AMPS (for PV and load)

<table>
<thead>
<tr>
<th>Setpoint</th>
<th>Sealed battery</th>
<th>Flooded battery</th>
<th>Gel battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boost voltage</td>
<td>14.2V</td>
<td>14.4V</td>
<td>14.6V</td>
</tr>
<tr>
<td>Equalization voltage</td>
<td>14.4V</td>
<td>14.6V</td>
<td>14.8V</td>
</tr>
<tr>
<td>Float voltage</td>
<td>13.7V</td>
<td>13.7V</td>
<td>13.7V</td>
</tr>
<tr>
<td>Maximum solar voltage</td>
<td>30V(or 55V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery voltage range</td>
<td>1-15V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boost time</td>
<td>30 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-consumption</td>
<td>4mA at night, 10mA at charging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meterbus connection</td>
<td>8-pin RJ-45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp. compensation</td>
<td>-30mV/12V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terminals</td>
<td>4mm2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>-35°C to +55°C</td>
<td></td>
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</tr>
</tbody>
</table>

Note: all the data is for 12V, for 24V, please use 2x.