**PC1500A Series (10A)**

**PWM Solar Charge Controller**

PC1500A is one of the SK series controllers. With a power range of up to 10A at automatically recognized 12V or 24V, it fits to a system size of maximum 240W. Full circuit board protection, LCD for all working parameters. Clearly marked connection ports make it possible to connect easily to solar panels, battery and load. USB ports make it convenient to charge mobile phones.

### Features:
- PWM charging mode with 4 stages (bulk, absorption, float and equalized)
- Automatic detection of voltage
- Automatic load reconnection
- Automatic temperature compensation
- Simple button operation
- Adaptable to Sealed, Gel, Flooded and other customized battery type
- Preset parameters for charging and discharging (Special parameters can be customized)
- Monthly equalization charge
- Various controlling mode for load
- USB output for smart phones and tablets X 2

### Electronic protections:
- Over charge protection
- Over discharge protection
- Over temperature and over load protection
- Automatic electronic fuse
- Short circuit protection of load and P.V
- Input over voltage protection
- Reverse current protection at night
- Reverse connection protection of P.V, load, and battery
- Overheat protection and short circuit protection of USB output

### Display:
- Vivid LCD graphic symbols---presents working status and related parameters explicitly

### Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>PC15A-10DU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar Input</td>
<td></td>
</tr>
<tr>
<td>Input voltage</td>
<td>≤50V</td>
</tr>
<tr>
<td>Rated input current</td>
<td>10A</td>
</tr>
<tr>
<td>Charge loop voltage drop</td>
<td>≤0.3V</td>
</tr>
<tr>
<td>System voltage</td>
<td>12V/24V Auto</td>
</tr>
<tr>
<td>No load loss</td>
<td>10.5mA(12)/12.5mA(24)</td>
</tr>
<tr>
<td>Battery type</td>
<td>Sealed, Gel, Flooded, User customized</td>
</tr>
<tr>
<td>Charging mode</td>
<td>4 stages(Bulk,Absorption,Float,Equalized),PWM</td>
</tr>
<tr>
<td>Float charge voltage</td>
<td>13.8V/27.6V</td>
</tr>
<tr>
<td>Absorption charge voltage</td>
<td>14.4V(13V~15V)×1/×2/×4</td>
</tr>
<tr>
<td>Temperature compensation</td>
<td>-4mV/Cell/°C</td>
</tr>
<tr>
<td>Load</td>
<td></td>
</tr>
<tr>
<td>Rated load current</td>
<td>10A</td>
</tr>
<tr>
<td>Discharge loop drop</td>
<td>≤0.18V</td>
</tr>
<tr>
<td>Low voltage disconnect</td>
<td>10.8V/21.6V</td>
</tr>
<tr>
<td>Low voltage reconnect</td>
<td>12.6V/25.2V</td>
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<tr>
<td>Over voltage disconnect</td>
<td>16.0V/32.0V</td>
</tr>
<tr>
<td>Related</td>
<td></td>
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<tr>
<td>Max wire size</td>
<td>6mm²(AWG 3#)</td>
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<tr>
<td>Working temperature</td>
<td>-20℃~55℃</td>
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<tr>
<td>Working humidity</td>
<td>10%~90%, no condensation</td>
</tr>
<tr>
<td>Dimension (L×W×H)</td>
<td>160mm×88.2mm×42.4mm</td>
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<tr>
<td>Net weight</td>
<td>283g</td>
</tr>
</tbody>
</table>