

**A Multitask Electronics Solar controller  
Adds new features and protections using  
highly advanced technology**

- Provides longer battery life and improved system performance
- diagnostics



**Standard Features:**

<ul style="list-style-type: none"> <li>• Versions available: 15 or 30 amp 12 / 24 or 48 volt</li> </ul>	<ul style="list-style-type: none"> <li>• Negative or positive ground</li> </ul>
<ul style="list-style-type: none"> <li>• Estimated 15 year life</li> </ul>	<ul style="list-style-type: none"> <li>• PWM series battery charging (not shunt)</li> </ul>
<ul style="list-style-type: none"> <li>• 3-position battery select: gel, sealed or flooded</li> </ul>	<ul style="list-style-type: none"> <li>• Very accurate control and measurement</li> </ul>
<ul style="list-style-type: none"> <li>• Jumper to eliminate telecom noise</li> </ul>	<ul style="list-style-type: none"> <li>• Parallel for up to 300 amps</li> </ul>
<ul style="list-style-type: none"> <li>• Temperature compensation</li> </ul>	<ul style="list-style-type: none"> <li>• Tropicalization: conformal coating, stainless-steel</li> </ul>

**Fasteners & anodized aluminium heat sink**

<ul style="list-style-type: none"> <li>• No switching or measurement in the grounded leg</li> </ul>	<ul style="list-style-type: none"> <li>• 100% solid state</li> </ul>
<ul style="list-style-type: none"> <li>• Very low voltage drops</li> </ul>	<ul style="list-style-type: none"> <li>• Current compensated low voltage disconnect (LVD)</li> </ul>
<ul style="list-style-type: none"> <li>• LED's indicate battery status and faults</li> </ul>	<ul style="list-style-type: none"> <li>• Capable of 25% overloads</li> </ul>
<ul style="list-style-type: none"> <li>• Remote battery voltage sense terminals</li> </ul>	

**Electronic Protections:**

<ul style="list-style-type: none"> <li>• Short-circuit — solar and load</li> </ul>	<ul style="list-style-type: none"> <li>• Overload — solar and load</li> </ul>
<ul style="list-style-type: none"> <li>• Reverse polarity</li> </ul>	<ul style="list-style-type: none"> <li>• Reverse current at night</li> </ul>
<ul style="list-style-type: none"> <li>• High voltage disconnect</li> </ul>	<ul style="list-style-type: none"> <li>• High temperature disconnect</li> </ul>
<ul style="list-style-type: none"> <li>• Lightning and transient surge protection</li> </ul>	<ul style="list-style-type: none"> <li>• Loads protected from voltage spikes</li> </ul>
<ul style="list-style-type: none"> <li>• Automatic recovery with all protections</li> </ul>	

**Options: • Digital meter**

<ul style="list-style-type: none"> <li>– Highly accurate voltage and current display</li> </ul>	<ul style="list-style-type: none"> <li>– Low self-consumption (1 mA)</li> </ul>
<ul style="list-style-type: none"> <li>– Includes manual disconnect button</li> </ul>	<ul style="list-style-type: none"> <li>– Displays 5 different protection functions and disconnect conditions</li> </ul>
<ul style="list-style-type: none"> <li>– Self-diagnostics (self-test) provides a comprehensive test of the ProStar</li> </ul>	<ul style="list-style-type: none"> <li>– Displays 9 different controller status parameters, including temperature</li> </ul>
<b>Displays detected faults</b>	
<ul style="list-style-type: none"> <li>• Positive ground</li> </ul>	<ul style="list-style-type: none"> <li>• Remote temperature probe</li> </ul>