

# Technical Specifications

<b>Battery System Voltages</b>	<b>12 or 24 VDC battery</b>
<b>Maximum Battery Charging Current</b>	<b>40A</b> <b>Maximum of 480 Watts for 12 volt systems</b> <b>Maximum of 960 Watts for 24 volt systems</b>
<b>Solar Panel Input Voltage Range</b>	<b>12-55 VDC</b> <b>(12-30 VDC for 12 volt battery charging)</b> <b>(30-55 VDC for 24 volt battery charging)</b>
<b>Maximum Solar Panel Open Circuit Voltage</b>	<b>55 VDC</b>
<b>Efficiency</b>	<b>97% minimum at full current</b>
<b>Typical Idle Power Consumption</b>	<b>Less than 10 mA</b>
<b>Bulk, Float, and Equalization Voltage Set Points</b>	<b>User selectable from 8 different options.</b> <b>Compatible with lead acid, gel, PCCa lead calcium, NiCad, and nickel iron batteries.</b>
<b>Electronic Protection</b>	<b>Over voltage, reverse polarity, short circuit, over current, and over temperature</b>
<b>Battery Temperature Sensor (BTS)</b>	<b>Included</b>
<b>Enclosure Protection Class</b>	<b>IP21</b>
<b>Wire Terminal Size</b>	<b>6 or 8 AWG (stranded wire)</b>