Product Overview

The MicroStar CRS Series power supply is based on switch mode technology. The control interface features a fully-programmable microprocessor. Menus are accessible to set ampere time and real-time cycles, output tolerance requirements and more.

- Real Time Cycle (RTC) Control
- Ampere Time Cycle Control (ATC)
- Ampere Time Totalizer
- Constant current, constant voltage, and cross-over regulation modes
- FrontPanel+ Host Control Program for process set-up, process storage and data logging
- RS485 port and USB port for serial control
- Electronic overload, over-temperature, and short circuit protection
- Save/recall up to 10 different process steps
- Forced air cooled

Performance Specifications

- System Output: DC
- Current outputs from 500-1000 amperes.
- Voltage outputs from 10-20 volts.
- Multiple options for control interfaces.
- Custom sizes and configurations available.
- Small package size: switch mode technology.
- Rugged, environmentally-sealed, powder-coated enclosure.
- Line Regulation: +/- 1% of setting or 0.1% of maximum rating, whichever is greater
- Load Regulation: +/- 1% of setting or +/- 0.1% of maximum rating, whichever is greater
- Digital meter accuracy: +/- 1% plus L.S.D.
- Temperature stability: 0.2% of peak rating after 15 minute warm up
- Ripple: <1% RMS of maximum rated output voltage

Options

- Recipe creation and storage
- Periodic reverse output
- Remote control interface panel
- Analog interface board: 4-20mA, 0-5V, or 0-10V
- Auxiliary totalizer with relay output to turn on/off pump, mixer, etc.
- Master/slave control - synchronize multiple units
- Ramp timer
- Trickle current
- 19” rack mount flanges
# CRS MODELS: 500-1000 AMPERES

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage (DC)</th>
<th>Current (Amps)</th>
<th>Voltmeter Resolution</th>
<th>Amp Meter Resolution</th>
<th>AC Input Options</th>
<th>AC Input Options Options</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10 Volts</strong></td>
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<tr>
<td>CRS10-500</td>
<td>0-10</td>
<td>0-500</td>
<td>*0.1/0.01 V</td>
<td>0.1 A</td>
<td>A, B</td>
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<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<tr>
<td>CRS10-750</td>
<td>0-10</td>
<td>0-750</td>
<td>*0.1/0.01 V</td>
<td>0.1 A</td>
<td>B</td>
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<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<tr>
<td>CRS10-1000</td>
<td>0-10</td>
<td>0-1000</td>
<td>*0.1/0.01 V</td>
<td>1 A</td>
<td>A, B</td>
<td></td>
<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<tr>
<td><strong>12 Volts</strong></td>
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<tr>
<td>CRS12-500</td>
<td>0-12</td>
<td>0-500</td>
<td>*0.1/0.01 V</td>
<td>0.1 A</td>
<td>A, B</td>
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<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<tr>
<td>CRS12-1000</td>
<td>0-12</td>
<td>0-1000</td>
<td>*0.1/0.01 V</td>
<td>1 A</td>
<td>B</td>
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<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<tr>
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<tr>
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<td>0-18</td>
<td>0-600</td>
<td>*0.1/0.01 V</td>
<td>0.1 A</td>
<td>B</td>
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<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
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<td><strong>20 Volts</strong></td>
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<tr>
<td>CRS20-500</td>
<td>0-20</td>
<td>0-500</td>
<td>*0.1/0.01 V</td>
<td>0.1 A</td>
<td>A, B</td>
<td></td>
<td>10.5&quot;H x 17&quot;W x 23&quot;D</td>
</tr>
</tbody>
</table>

*Meter readings below 10 volts will show 0.01 Volt Resolution

Minimum Suggested Setting: 10% of maximum rated output

**AC Input Options:**

A: 208-240 VAC, 50-60 Hz, 3 Phase
B: 480 VAC, 50-60 Hz, 3 Phase

Specifications subject to change without notification