LFP MODELS: 500-1000 AMPERES

Product Features

- System Output: DC or Low Frequency Pulse (LFP).
- 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.

Product Overview

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

- Real Time Cycle (RTC) Control
- Ampere Time Cycle Control (ATC) and Time Totalizer
- Ampere Time Totalizer
- Constant current, constant voltage, and cross-over regulation modes
- Low Frequency Pulse (LFP) Output Capability:
  - DC to 200 Hz pulses
  - Min Pulse Width: 4 ms ON, 1 ms OFF
- FrontPanel+ Host Control Program for process set-up and process storage/data logging
- RS485 serial port and USB port for host control
- Electronic overload, over-temperature, and short circuit protection
- Save/recall up to 10 different process steps
- Forced air cooled

Performance Specifications

- 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
- Typical Pulse Rise Time: < 1.5 milliseconds
- Typical Pulse Fall Time: < 1.5 milliseconds

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
# LFP MODELS: 500-1000 AMPERES

<table>
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<th>Voltage (DC)</th>
<th>Current (Amps)</th>
<th>Voltmeter Resolution</th>
<th>Amp Meter Resolution</th>
<th>AC Input Options</th>
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<tr>
<td>LFP10-500</td>
<td>0-10</td>
<td>0-500</td>
<td>*00.1/0.01 V</td>
<td>0.1 A</td>
<td>A, B</td>
<td>A, B</td>
<td>10.5”H x 17”W x 23”D</td>
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<tr>
<td>LFP10-750</td>
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<tr>
<td>LFP12-500</td>
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*Resolution read out automatically adjusts to output

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