



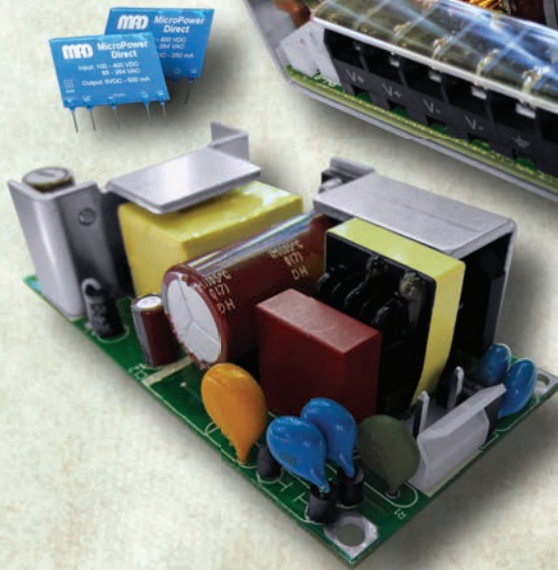
Power Products



AC/DC Power Supplies



DC/DC Converters



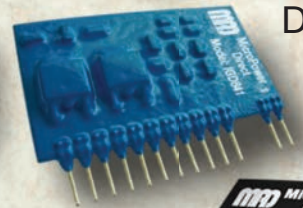
LED Drivers



IGBT Drivers



Switching POL Regulators



MicroPower Direct Product Guide

MicroPower Direct

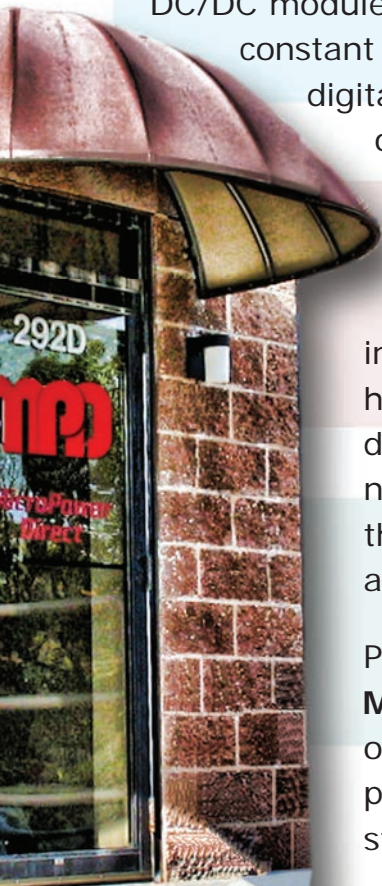
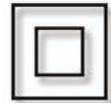
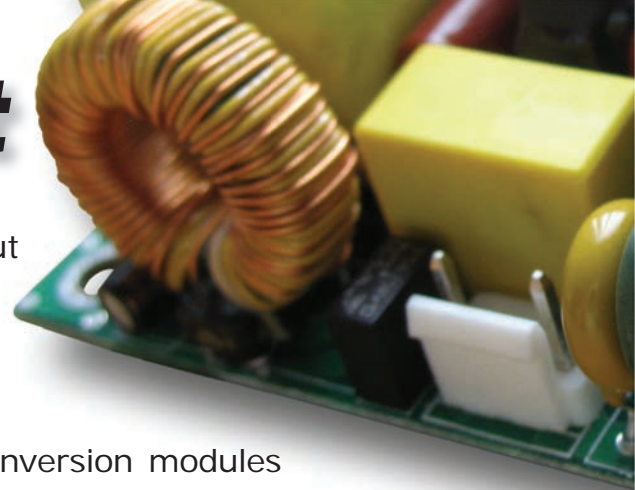
MicroPower Direct (MPD) was founded by a group of industry veterans in 1999. Located in Stoughton, MA (about 30 miles south of Boston), our steady growth is driven by a commitment to delivering innovative, high quality power conversion products at the lowest possible prices.

MPD product lines include over 2,000 standard DC/DC conversion modules with features such as wide input ranges; high efficiency; miniature size; industry standard pin-outs; and high MTBF's. We also offer a complete line of compact, high performance AC/DC switching power supplies; including rugged U-channel models; miniature encapsulated modules; open frame units; board mount models; DIN rail products; and miniature SIP units. Features include universal AC input ranges, EN 60950 approvals, active power factor correction, single & multiple outputs, fan cooling, and miniature packaging. Our full line of low cost POL switching regulators ranges from drop in replacements for inefficient linear regulators to miniature high power models. Units are available with output current up to 20A. For applications involving the control of high brightness LED lamps, we provide a wide range of low cost DC/DC modules. These units offer features that include 150 mA to 1A constant current outputs; miniature DIP, Wired & SMT packaging; digital & analog dimming capability; very high efficiency; and output voltages from 2V to 57V.

Product families are added on a regular basis. With this brochure we are introducing a line of DC/DC's designed specifically for use in high speed IGBT circuits and three integrated, hybrid IGBT controllers. These units provide the high isolation, protection circuits and control required for driving IGBT modules. **MPD** is also going "GREEN". We now offer six product families that are compliant to the latest ErP directive. These include new 60W, 100W and 120W AC/DC product families.

Product quality and customer savings are a priority at **MPD**. All manufacturing is in ISO9000 registered factories under strict quality control system guidelines. All products are supported worldwide, and now carry a standard three year warranty.

We don't just want your business, we want to **EARN** your business. Check out our wide product selection. Put us to the test. Call **MPD** today



For New Power Products! Go Direct!

MPU-800S - 800W AC/DC Power Supplies

The **MPU-800S** is a family of 800W AC/DC switching power supplies in a compact U-Channel chassis. Features include high efficiency, active PFC, and EN 60950 approval. 500 & 600W models are available.

- Active Power Factor Correction
- EN 60950 Approved
- Compact U-Channel Case
- Available With Internal Fan



B5000RW - 50W DC/DC Converters

The **B5000RW** are a family of 50W DC/DC's in a compact 1 x 2 inch case. Features include 1.5 kV isolation, wide 2:1 input range, a remote on/off control, and high efficiency. The pin-out is industry standard.

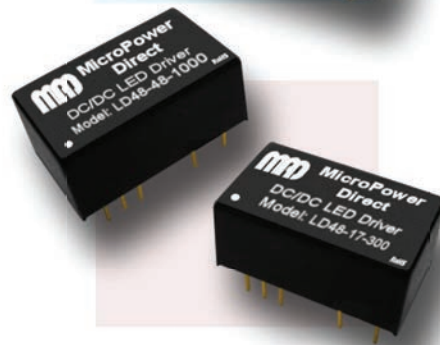
- 50W Output Power
- 2:1 Input Voltage Range
- 1 Inch x 2 Inch Case
- 12 Standard Models



LD48-xxx - Constant Current LED Drivers

The **LD48** is a family of wide input, constant current DC/DC LED drivers. Features include an output to 1A, a 7 to 60V input range, 97% efficiency, and digital or analog dimming. Packaging is a miniature "MiniDIP" case.

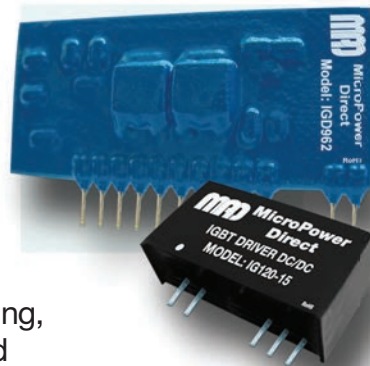
- 0.15 - 1.0A Constant Current Out
- Efficiency to 97%
- PWM and Analog Dimming
- Wide 7V to 60V Input Range



IGBT Drivers - DC/DC's & Controllers

The **IG120**, **IGD841**, **IGD962** and **IGD1205W** are specifically designed for use with N-channel IGBT modules. They provide the isolation, fault protection, speed and economy required by a wide range of applications.

- 30 kV/ μ S CMR
- 3,750 VAC Isolation
- Short Circuit Protected
- Compact SIP Packaging



For a surprisingly quick and low cost quotation visit us online. For pricing, full technical datasheets, product samples, application notes or to send technical/sales inquiries; go to our easy to use website at:

www.micropowerdirect.com



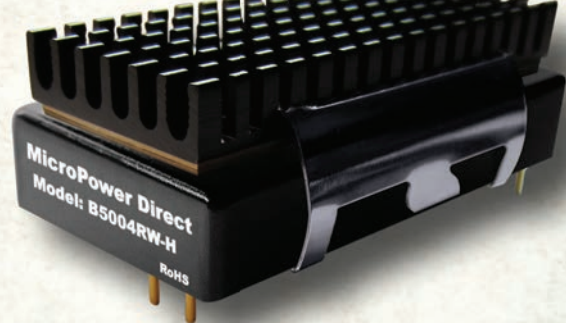
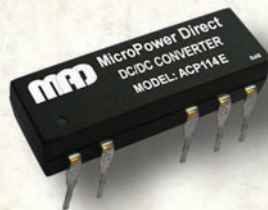
DC/DC Converters

| Model | Power (W) | Input Voltage (VDC) | | No. of Outputs | Output (VDC) | | | | | | | | | | | I/O Iso (kVDC) | Safety Approv. | Case Type | | | | | | | |
|---------------------------|-----------|---------------------|-------|----------------|--------------|-----|-----|-----|-----|----|----|----|----|----|----|----------------|----------------|-----------|-----|-----|-----|---|-----|-----|---------|
| | | Nom | Range | | 1.8 | 2.5 | 3.3 | 5.0 | 9.0 | 12 | 15 | 24 | 48 | ±5 | ±9 | | | | ±12 | ±15 | ±24 | | | | |
| HI/ISO! A100EH1 | 1 | 5, 12 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 6.0 | Yes | DIP |
| ACP100E | 1 | 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.5 | | DIP |
| HOT SELLER! D100E | 1 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | Yes | 7-SIP |
| HI/ISO! D100EI | 1 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 3.0 | Yes | 7-SIP |
| HI/ISO! D100EH1 | 1 | 5, 12 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 6.0 | | 7-SIP |
| D100ED | 1 | 5, 12, 24 | ±10% | 2 (Iso) | | | | | x | x | x | x | | | | | | | | | | | 1.0 | Yes | 7-SIP |
| D100R | 1 | 5, 12, 24 | ±10% | 1 | | | | x | x | x | x | x | | | | | | | | | | | 1.0 | | 7-SIP |
| HOT SELLER! D100ER | 1 | 5, 12, 24 | ±5% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | | 7-SIP |
| DA100ERW | 1 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | | 8-SIP |
| HI/ISO! D100VHI | 1 | 5, 12 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 6.0 | | 7-SIP |
| DM100E | 1 | 5, 12 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | | 6-SIP |
| HOT SELLER! E100E | 1 | 3.3, 5, 12, 24 | ±10% | 1 | | | | x | x | x | x | x | | | | | | | | | | | 1.0 | Yes | 4-SIP |
| HI/ISO! E100EI | 1 | 3.3, 5, 12, 24 | ±10% | 1 | | | | x | x | x | x | x | | | | | | | | | | | 3.0 | | 4-SIP |
| G100E | 1 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | Yes | MiniDIP |
| HI/ISO! G100EI | 1 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 3.0 | Yes | MiniDIP |
| H100E | 1 | 3.3, 5, 12, 24 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.0 | Yes | MiniDIP |
| HI/ISO! H100EI | 1 | 3.3, 5, 12, 24 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 3.0 | | MiniDIP |
| LCP100E | 1 | 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.5 | | SMT |
| LF100ES | 1 | 3.3, 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.0 | Yes | SMT |
| HI/ISO! LF100ESI | 1 | 3.3, 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 3.0 | Yes | SMT |
| LF100ED | 1 | 3.3, 5, 12 | ±10% | 2 | | | | | | | | | | | | | | | x | x | x | x | 1.0 | Yes | SMT |
| HI/ISO! LF100EDI | 1 | 3.3, 5, 12 | ±10% | 2 | | | | | | | | | | | | | | | x | x | x | x | 3.0 | Yes | SMT |
| HOT SELLER! A100HI | 1.5 | 5, 12, 15 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 8.0 | | DIP |
| A100ERU | 1.5 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | | DIP |
| HI/ISO! A200EH1 | 2 | 5, 12 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 6.0 | Yes | DIP |
| HI/ISO! A200RH1 | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 6.0 | | DIP |
| HI/ISO! ASC200EH1 | 2 | 5, 12, 24 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 6.0 | | DIP |
| HOT SELLER! D200E | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | Yes | 7-SIP |
| HI/ISO! D200EI | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 3.0 | Yes | 7-SIP |
| D200ERW | 2 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | x | x | x | x | | | | | | x | x | x | x | 1.5 | | 8-SIP |
| D200ERU | 2 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | | 9-SIP |
| E200E | 2 | 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.0 | | 4-SIP |
| HI/ISO! E200I | 2 | 5, 12, 24, 48 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 3.0 | | 4-SIP |
| G200E | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.0 | Yes | MiniDIP |
| HI/ISO! G200EI | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 3.0 | Yes | MiniDIP |
| HI/ISO! G200MH1 | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | | | x | x | 6.0 | Yes | MiniDIP |
| LF200S | 2 | 5, 12, 24 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.0 | | SMT |
| LF200ES | 2 | 5, 12 | ±10% | 1 | | | | | x | x | x | x | | | | | | | | | | | 1.0 | | SMT |
| LF200D | 2 | 5, 12, 24 | ±10% | 2 | | | | | | | | | | | | | | | x | x | x | x | 1.0 | | SMT |
| LF200ED | 2 | 5, 12 | ±10% | 2 | | | | | | | | | | | | | | | x | x | x | x | 1.0 | | SMT |
| HI/ISO! LF200MH1 | 2 | 5, 12, 24 | ±10% | 1, 2 | | | | | x | x | x | x | | | | | | | | | x | x | 6.0 | Yes | SMT |
| NEW!! LF200RW | 2 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | x | x | x | | | | | | | | | x | x | 1.5 | | SMT |
| HOT SELLER! A300RW | 3 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | Yes | DIP |
| A300ERW | 3 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | Yes | DIP |
| A300RU | 3 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | | | x | x | 1.5 | | DIP |
| A300ERU | 3 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | | DIP |
| D300RW | 3 | 12, 24 | 2:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | | 8-SIP |
| NEW!! D300RU | 3 | 12, 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.6 | | 8-SIP |
| HOT SELLER! A400RU | 4 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | | | | x | x | x | x | 1.5 | Yes | DIP |

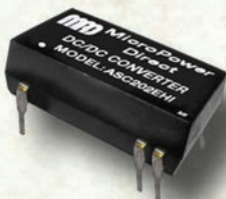


MicroPower Direct
We Power Your Success - For Less!





Tape/Reel Available



| Model | Power (W) | Input Voltage (VDC) | | No. of Outputs | Output (VDC) | | | | | | | | | | | I/O Iso (kVDC) | Safety Approv. | Case Type | | |
|----------------------------|-----------|---------------------|-------|----------------|--------------|-----|-----|-----|-----|----|----|----|----|----|-----|----------------|----------------|-----------|-----|----------|
| | | Nom | Range | | 1.8 | 2.5 | 3.3 | 5.0 | 9.0 | 12 | 15 | 24 | ±5 | ±9 | ±12 | | | | ±15 | ±24 |
| A500RW | 5 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | x | x | | x | x | | | x | | x | x | 1.5 | Yes | DIP |
| A500ERW | 5 | 12, 24 | 2:1 | 1, 2 | | | x | x | | x | | | | | | x | x | 1.5 | | DIP |
| HI/ISO! A500RHI | 5 | 12, 24, 48 | ±10% | 1, 2 | | | | | | x | | | | | | x | x | 6.0 | | DIP |
| A500RU | 5 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | DIP |
| I500RU | 5 | 24, 48 | 4:1 | 1, 2 | | | | | x | | x | x | x | | | x | x | 1.5 | | 1 x 1" |
| LF500RW | 5 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | SMT |
| LF500RU | 5 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | SMT |
| A600ERU | 6 | 24, 48 | 4:1 | 1, 2 | | | | | x | x | x | x | | | | x | x | 1.5 | | DIP |
| I600ERW | 6 | 5, 12, 24, 48 | 2:1 | 1, 2 | | | | | x | | x | x | x | | | x | x | 1.5 | | 1 x 1" |
| NEW!! I600ERU | 6 | 24, 48 | 4:1 | 1, 2 | | | | | x | | x | x | x | | | x | x | 1.5 | | 1 x 1" |
| A1100RW | 10 | 12, 24, 48 | 2:1 | 1, 2 | | | x | x | | x | | | | | | x | x | 1.5 | | DIP |
| HOT SELLER! B1000RW | 10 | 12, 24, 48 | 2:1 | 1, 2 | | | x | x | | x | | | | | | x | x | 1.5 | Yes | 1 x 2" |
| B1000ERW | 10 | 12, 24, 48 | 2:1 | 1, 2 | | | | x | | x | | | | | | x | x | 1.5 | | 1 x 2" |
| NEW!! I1000RU | 10 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 1" |
| A1200RU | 12 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | DIP |
| B1500RW | 15 | 12, 24, 48 | 2:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| B1500ERW | 15 | 12, 24, 48 | 2:1 | 1, 2 | | | | | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| HOT SELLER! B1500RU | 15 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | Yes | 1 x 2" |
| B1500ERU | 15 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| I1500RW | 15 | 12, 24, 48 | 2:1 | 1 | | | | x | x | | x | x | | | | | | 1.5 | | 1 x 1" |
| I1500RU | 15 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 1" |
| B2000RW | 20 | 12, 24, 48 | 2:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| B2000RU | 20 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| HI/ISO! B2000RUI | 20 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 2.5 | | 1 x 2" |
| C2000RW | 20 | 12, 24, 48 | 2:1 | 1, 2, 3 | | | | x | x | | x | x | x | | | x | x | 1.6 | | 2 x 2" |
| F2000ERW | 20 | 12, 24, 48 | 2:1 | 1 | | | | x | x | | x | x | x | | | | | 1.5 | | 1.6 x 2" |
| I2000RW | 20 | 12, 24, 48 | 2:1 | 1 | | | | x | x | | x | x | | | | | | 1.6 | | 1 x 1" |
| NEW!! I2000RU | 20 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 1" |
| HOT SELLER! F2500RW | 25 | 12, 24, 48 | 2:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1.6 x 2" |
| F2500RU | 25 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1.6 x 2" |
| B3000RW | 30 | 24, 48 | 2:1 | 1 | | | | x | x | | x | x | | | | | | 1.5 | | 1 x 2" |
| F3000RW | 30 | 48 | 2:1 | 1 | | | | x | x | | x | x | x | | | | | 1.6 | | 1.6 x 2" |
| F3000RU | 30 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | x | | | x | x | 1.6 | | 1.6 x 2" |
| B4000RW | 40 | 12, 24, 48 | 2:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| NEW!! B4000RU | 40 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 1 x 2" |
| C4000RW | 40 | 48 | 2:1 | 1, 2, 3 | | | | | x | | x | x | x | | | x | x | 1.6 | | 2 x 2" |
| C4000ERW | 40 | 12, 24, 48 | 2:1 | 1 | | | | x | x | | x | x | | | | | | 1.5 | | 2 x 2" |
| NEW!! C4000RU | 40 | 24, 48 | 4:1 | 1, 2 | | | | x | x | | x | x | | | | x | x | 1.5 | | 2 x 2" |
| F4000RW | 40 | 48 | 2:1 | 1 | | | | x | x | | x | x | x | | | | | 1.6 | | 1.6 x 2" |
| NEW!! B5000RW | 50 | 12, 24, 48 | 2:1 | 1 | | | | x | x | | x | x | | | | | | 1.5 | | 1 x 2" |
| NEW!! C6000RU | 60 | 24, 48 | 4:1 | 1 | | | | x | x | | x | x | | | | | | 1.5 | | 2 x 2" |

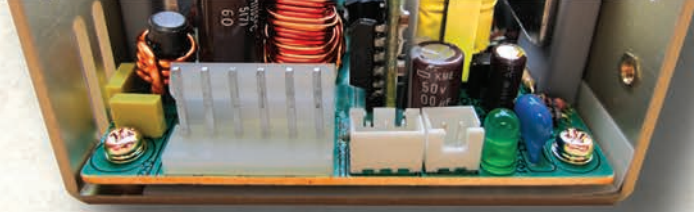
Available Soon!

MicroPower Direct pursues an aggressive new product development program. In the coming months we will be introducing many new AC/DC power supplies, DC/DC converters and application specific power products. Check with us often for the latest updates.

Don't See What You Need?

Call us today. With thousands of standard power products, we are often able to provide "off the shelf" solutions to your application requirements. However, even the broadest line of standard products cannot solve every application problem. We have delivered a wide range of products that have been modified to address a specific application need. These modifications vary from simple adjustments (output voltage level, pin removal, etc) to extensive circuit redesigns. We are currently shipping modified products ranging from 1W DC/DC's to high power AC/DC power supplies. So, if your application requires performance and/or packaging that is non-standard, call us today. We welcome your modified or custom product request.

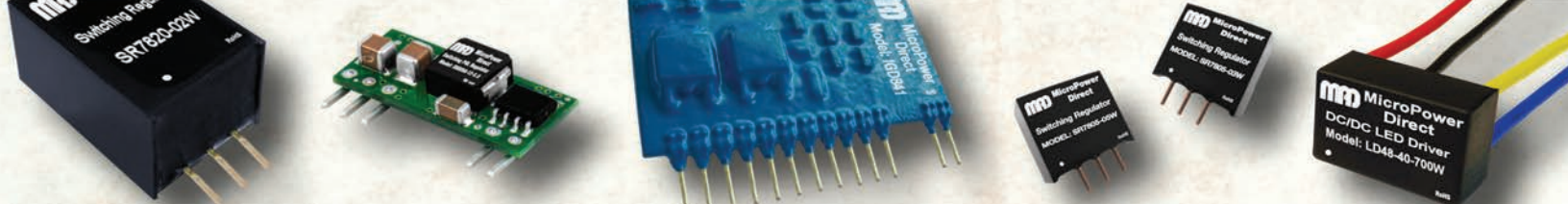




AC/DC Power Supplies



| Model | Power (W) | Input Voltage (VAC) | | PFC | Output (VDC) | | | I/O Iso (kVAC) | Safety Appr. | Case Type |
|----------------------------|-----------|---------------------|------------|--------|------------------------------|-----------------------|---------------------------|----------------|--------------|------------|
| | | Range | Type | | Single | Dual | Triple | | | |
| MPM-03 | 3 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | DIP |
| HOT SELLER! MPS-03 | 3 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 2.00 | | SIP |
| MPSU-03 | 3 | 90 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.75 | EN 60950 | SIP |
| GREEN! MPM-04E | 4 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 18, 24 | ±12, ±15, 5/3.3, 12/5 | | 3.00 | EN 60950 | Module |
| MPM-04V | 4 | 90 to 305 | Universal | No | 3.3, 5, 8, 9, 12, 14, 15, 24 | 5/3.3, 8/5, 12/5 | | 3.00 | EN 60950 | Module |
| NEW!! MPB-05S | 5 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 18, 24 | | | 3.00 | EN 60950 | PCB Mount |
| MPM-05 | 5 | 85 to 264 | Universal | No | 3.3, 5, 12, 15, 24 | ±5, ±12, ±15 | 5/±5, 5/±12, 5/±15, 5/±24 | 3.00 | EN 60950 | Module |
| MPM-05PB | 5 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 4.00 | EN 60950 | Module |
| MPM-07PB | 7 | 85 to 265 | Universal | No | 3.3, 5, 12, 15, 24 | | | 3.00 | EN 60950 | Module |
| NEW!! MPM-08MB | 8 | 90 to 305 | Universal | No | 3.3, 5, 9, 12, 15, 24 | 5/3.3, 12/5 | | 3.00 | EN 60950 | Module |
| NEW!! MPB-10S | 10 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | PCB Mount |
| MPM-10 | 10 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15 | 5/±5, 5/±12, 5/±15, 5/±24 | 3.00 | EN 60950 | Module |
| MPM-10IS | 10 | 85 to 265 | Universal | No | 3.3, 5, 12, 15, 24 | ±12, ±15 | | 3.00 | EN 60950 | Module |
| MPM-10EPB | 10 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 4.00 | EN 60950 | Module |
| NEW!! MPB-15S | 15 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | PCB Mount |
| HOT SELLER! MPM-15 | 15 | 85 to 264 | Universal | No | 3.3, 5, 12, 15, 24, 48 | ±5, ±12, ±15 | 5/±5, 5/±12, 5/±15, 5/±24 | 3.00 | EN 60950 | Module |
| MPM-15IS | 15 | 85 to 265 | Universal | No | 5, 12, 15, 24, 48 | ±12, ±15 | 5/±12, 5/±15, | 3.00 | EN 60950 | Module |
| MPM-15CM | 15 | 85 to 265 | Universal | No | 5, 12, 15, 24, 48 | ±12, ±15 | 5/±12, 5/±15, | 3.00 | EN 60950 | Chassis |
| NEW!! MPB-20S | 20 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | PCB Mount |
| MPM-20 | 20 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | Module |
| MPM-20EPB | 20 | 85 to 264 | Universal | No | 3.3, 5, 12, 15, 24 | | | 3.00 | EN 60950 | Module |
| NEW!! MPO-20S | 20 | 85 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | | | 3.00 | EN 60950 | Open Frame |
| AD1024F | 24 | 100 to 240 | Universal | No | 5, 12, 24, 48 | | | 3.00 | EN 60950 | DIN Rail |
| MDR-24S | 24 | 90 to 264 | Universal | No | 5, 12, 24 | | | 3.00 | EN 60950 | DIN Rail |
| MPM-25 | 25 | 85 to 264 | Universal | No | 5, 12, 15, 24, 48 | | | 3.00 | EN 60950 | Module |
| MPM-30IS | 30 | 85 to 265 | Universal | No | 5, 12, 15, 24, 48 | ±12, ±15 | 5/±12, 5/±15, 5/3.3/12 | 3.00 | EN 60950 | Module |
| MPM-30CM | 30 | 85 to 265 | Universal | No | 5, 12, 15, 24, 48 | ±12, ±15 | 5/±12, 5/±15, 5/3.3/12 | 3.00 | EN 60950 | Chassis |
| MPM-40 | 40 | 90 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15, 5/12 | 5/±12, 5/±15 | 3.00 | EN 60950 | Module |
| NEW!! MPO-40S | 40 | 90 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24, 48 | | | 3.00 | EN 60950 | Open Frame |
| MPO-40D | 40 | 90 to 264 | Universal | No | | +5/+12, +5/+24 | | 3.00 | EN 60950 | Open Frame |
| NEW!! MPO-40T | 40 | 90 to 264 | Universal | No | | | 5/±12, 5/±15, (5 More) | 3.00 | EN 60950 | Open Frame |
| AD1048F | 40 | 85 to 264 | Universal | No | 12, 15, 24, 48 | | | 3.00 | | DIN Rail |
| NEW!! MPM-60PB | 60 | 85 to 264 | Universal | No | 5, 9, 12, 15, 24, 48 | | | 3.00 | EN 60950 | Module |
| NEW!! MPO-60S | 60 | 90 to 264 | Universal | No | 3.3, 5, 9, 12, 15, 24, 48 | | | 3.00 | EN 60950 | Open Frame |
| GREEN! MPG-60 | 60 | 85 to 264 | Universal | No | 12, 24, 48 | 5/12, 5Vsb (Opt) | | 3.00 | EN 60950 | Open Frame |
| NEW!! MPO-100S | 100 | 90 to 264 | Universal | Yes | 12, 15, 24, 48 | | | 3.00 | EN 60950 | Open Frame |
| GREEN! MPG-100 | 100 | 85 to 264 | Universal | No | 12, 24, 48 | 5Vsb (Opt) | | 3.00 | EN 60950 | Open Frame |
| GREEN! MPG-120 | 120 | 85 to 264 | Universal | Active | 12, 24, 48 | 5Vsb (Opt) | | 3.00 | EN 60950 | Open Frame |
| NEW!! MPO-200S | 200 | 90 to 264 | Universal | Yes | 12, 24, 36, 48 | | | 3.00 | EN 60950 | Open Frame |
| NEW!! MPU-250 | 250 | 90 to 264 | Auto-Range | Pass | 12, 15, 24, 36 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-250F | 250 | 90 to 264 | Auto-Range | Pass | 12, 15, 24, 36 | | | 3.00 | EN 60950 | Top Fan |
| NEW!! MPU-300 | 300 | 90 to 264 | Universal | Active | 12, 15, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-300F | 300 | 90 to 264 | Universal | Active | 12, 15, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-300D | 300 | 90 to 264 | Auto-Range | Pass | | 5/12, 12/24 | | 3.00 | EN 60950 | U-Channel |
| HOT SELLER! MPU-320 | 320 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-320E | 320 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-320F | 320 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | Top Fan |
| NEW!! MPU-400 | 400 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-400E | 400 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-500 | 500 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-500E | 500 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-600 | 600 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-600E | 600 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-600F | 600 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | Top Fan |
| HOT SELLER! MPU-800 | 800 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | U-Channel |
| NEW!! MPU-800E | 800 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | End Fan |
| NEW!! MPU-800F | 800 | 90 to 264 | Universal | Active | 12, 24, 48 | | | 3.00 | EN 60950 | Top Fan |



Switching POL Regulators



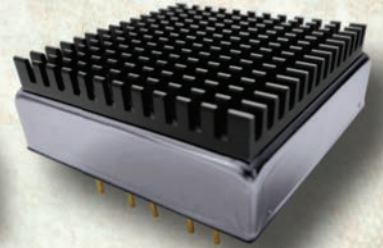
| Model | Output Current (A) | Input Voltage (VDC) | | Output (VDC) | | Line Regulation (%) | Load Regulation (%) | Efficiency (%) | Case Type |
|-------------------------------|--------------------|---------------------|-----------|---|-------|---------------------|---------------------|----------------|-----------|
| | | Nom | Range | Nom | Range | | | | |
| LSR7805 | 0.5 | 12, 24 | 4.5 - 28 | 3.3, 5.0, 9.0, 12, 15 | | ±0.2 | ±0.3 | 96 | SMT |
| HOT SELLER! SR7805 | 0.5 | 12, 24 | 4.75 - 32 | 1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15 | | ±0.5 | ±0.4 | 96 | SIP |
| NEW!! SRU7805 | 0.5 | 48 | 9.0 - 72 | 3.3, 5.0, 6.5, 9.0, 12, 15, 24 | | ±0.4 | ±0.3 | 95 | SIP |
| SR7810 | 1.0 | 12, 24 | 4.75 - 32 | 1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15 | | ±0.2 | ±0.4 | 97 | SIP |
| HOT SELLER! SRM7810 | 1.0 | 12 | 4.75 - 20 | 1.5, 1.8, 2.5, 3.3, 5.0 | | ±0.5 | ±0.5 | 93 | SIP |
| SR7815 | 1.5 | 12 | 4.75 - 18 | 1.5, 1.8, 2.5, 3.3, 5.0, 6.5 | | ±0.5 | ±0.5 | 95 | SIP |
| SR7820 | 2.0 | 12 | 4.75 - 18 | 1.5, 1.8, 2.5, 3.3, 5.0, 6.5 | | ±0.5 | ±0.5 | 92 | SIP |
| NEW!! SRS05A-x.x | 5.0 | 5, 12 | 3.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SIP |
| NEW!! SRS10A-12 | 10.0 | 12 | 8.3 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 93 | SIP |
| NEW!! SRS10A-12W | 10.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 95 | SIP |
| NEW!! SRS15A-05 | 15.0 | 5 | 3.0 - 5.5 | Adjustable: 0.90 to 3.63 VDC | | ±0.2 | ±0.5 | 94 | SIP |
| NEW!! SRS16A-12 | 16.0 | 12 | 9.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SIP |
| HOT SELLER! SRS16A-12W | 16.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SIP |
| NEW!! SRS20A-12W | 20.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SIP |
| HOT SELLER! SRL05A-3.3 | 5.0 | 5 | 3.0 - 5.5 | Adjustable: 0.75 to 3.3 VDC | | ±0.4 | ±0.5 | 94 | SMT |
| NEW!! SRL05A-5.0 | 5.0 | 12 | 8.3 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 92 | SMT |
| NEW!! SRL10A-12 | 10.0 | 12 | 8.3 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 93 | SMT |
| NEW!! SRL10A-12W | 10.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 95 | SMT |
| NEW!! SRL15A-05 | 15.0 | 5 | 3.0 - 5.5 | Adjustable: 0.90 to 3.63 VDC | | ±0.2 | ±0.5 | 94 | SMT |
| NEW!! SRL16A-12 | 16.0 | 12 | 9.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SMT |
| SRL16A-12W | 16.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SMT |
| SRL20A-12W | 20.0 | 12 | 6.0 - 14 | Adjustable: 0.75 to 5.0 VDC | | ±0.2 | ±0.5 | 94 | SMT |

LED Drivers

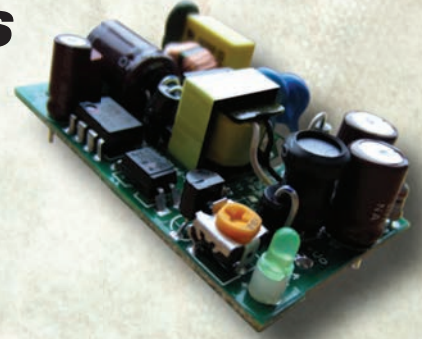
| Model | Constant Current Output | Input Voltage (VDC) | | Efficiency (% Typ) | Output | | Dimming | | Remote On/Off | Case Type |
|---------------------------------|-------------------------|---------------------|-----------|--------------------|--|--------------|---------|--------|---------------|-----------|
| | | Nom | Range | | Voltage (VDC) | Current (mA) | Digital | Analog | | |
| LD24-08-300 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 300 | Yes | Yes | Yes | MiniDIP |
| LD24-08-350 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 350 | Yes | Yes | Yes | MiniDIP |
| LD24-14-500 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 500 | Yes | Yes | Yes | MiniDIP |
| LD24-17-600 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 600 | Yes | Yes | Yes | MiniDIP |
| LD24-20-700 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 700 | Yes | Yes | Yes | MiniDIP |
| HOT SELLER! LD24-24-1000 | Yes | 24 | 7 to 30 | 95 | 2 to 28 | 1,000 | Yes | Yes | Yes | MiniDIP |
| NEW!! LD24-xx-xxxW | | | | | Wired LD24-xx series models (with 4" 22 AWG wires instead of pins) | | | | | |
| HOT SELLER! LD24E-xx | Yes | 24 | 5.5 to 36 | 95 | 2 to 32 | 300 to 700 | Yes | | Yes | MiniDIP |
| NEW!! LDF24E-xx | Yes | 24 | 5.5 to 48 | 96 | 3.3 to 36 | 300 to 700 | Yes | Yes | Yes | SMT |
| NEW!! LD48-xx-xxxx | Yes | 48 | 7.0 to 60 | 97 | 2.0 to 57 | 150 to 1,000 | Yes | Yes | Yes | MiniDIP |
| NEW!! LD48-xx-xxxxW | | | | | Wired LD48-xx series models (with 4" 22 AWG wires instead of pins) | | | | | |

IGBT Drivers

| Model | Input (Supply) | | Output 1 | | | | Output 2 | | | | I/O Iso (kVAC) | Case Type | | |
|------------------------|--|-------------|---------------|------|--------------|-----|---------------|------|--------------|-------|----------------|-----------|-----|-----|
| | Voltage (VDC) | | Voltage (VDC) | | Current (mA) | | Voltage (VDC) | | Current (mA) | | | | | |
| | Nom | Range | Min | Nom | Max | Max | Min | Min | Nom | Max | | | Max | Min |
| NEW!! IG120-12 | 12 | 11.6 - 12.4 | 14.0 | 15.0 | 16.0 | 80 | 0.0 | -7.0 | -9.0 | -10.0 | 40 | 0.0 | 3.0 | SIP |
| NEW!! IG120-12W | 12 | 9.0 - 15.0 | 14.0 | 15.0 | 16.0 | 100 | 0.0 | -7.0 | -8.0 | -9.0 | 80 | 0.0 | 3.0 | SIP |
| NEW!! IG120-15 | 15 | 14.5 - 15.5 | 14.0 | 15.0 | 16.0 | 80 | 0.0 | -7.0 | -8.7 | -10.0 | 40 | 0.0 | 3.0 | SIP |
| NEW!! IG120-24 | 24 | 23.3 - 24.7 | 14.0 | 15.0 | 16.0 | 80 | 0.0 | -7.0 | -9.0 | -10.0 | 40 | 0.0 | 3.0 | SIP |
| NEW!! IG136-15 | 15 | 14.5 - 15.5 | 16.5 | 17.0 | 18.0 | 80 | 0.0 | -7.0 | -8.7 | -10.0 | 40 | 0.0 | 3.0 | SIP |
| NEW!! IGD841 | Integrated Hybrid SIP Controller For Driving High Speed IGBT Modules - 30 kV/μS CMR, Single Supply Drive | | | | | | | | | | | | | |
| NEW!! IGD962 | Integrated Hybrid SIP Controller For Driving High Speed IGBT Modules - 30 kV/μS CMR, Used With IG120/136 | | | | | | | | | | | | | |
| NEW!! IGD1205W | Integrated Hybrid SIP Controller For Driving High Speed IGBT Modules - 30 kV/μS CMR, Built In DC/DC | | | | | | | | | | | | | |



We Power Your Success - For Less



MicroPower Direct

292 Page Street

Ste D

Stoughton, MA 02072

Tel: (781) 344-8226

Fax: (781) 344-8481

Eml: sales@micropowerdirect.com

Web: www.micropowerdirect.com

Represented By: