

# DINergy™ POWER SUPPLIES



The DINergy™ Power Supplies are designed to meet challenging design constraints yet offer flexibility for every application. All designs employ a compact size and are DIN rail mountable. Units are available in plastic or metal case construction. A low-profile design is also available for shallow depth enclosure challenges encountered in automation panels, elevator panels and indoor HVAC applications.

## SPECIFICATIONS

- Available from 18-watt single phase through 960 watt three-phase in common industrial output voltages
- Many operate as converters with 120 VDC input capability
- All are capable of at least 120% rated load with the exception of UL 1310 recognized units
- UL/cUL Listed to UL 508 & UL 60950-1
- CE certified to EN 61000
- UL 1604/ISA 12.12.01; Class 1, Division 2
- UL 1310; Class 2 current limiting applications

## FEATURES

- Compact sized and DIN rail mountable to fit in almost all automation panels.
- Power boost available for load demand provides smooth startups.
- Protection against overcurrent, short circuits, overvoltage, and overheating guards equipment from damage.
- Power factor correction system offers superior harmonic filtering mitigating power quality issues.
- Accepts a broad range of input voltages.
- Adjustable output voltage.
- Average MTBF of 450,000 hours.
- DC OK LED and active output terminal for remote status check ensures device operations.
- Parallel configuration option to increase output power or to provide redundant operations.
- Three year warranty.
- Stock supported and ready to ship within 24 hours from Illinois facility.



Micron's DInergy™ targets the most common industrial automation applications. The items below are in stock, ready to be shipped from our Illinois facility within 24 hours.

Catalog Number	Output Voltage (DC)	Output Voltage Range (DC)	Output Current (Amps)	Power (Watts)	Input Voltage (AC)	Input Voltage (DC)
<b>SINGLE-PHASE</b>						
MDP18-12A-1C	12	10.8 - 13.8	1.5	18	90-264	120-375
MDP18-24A-1C	24	21.6 - 28.8	0.75	18	90-264	120-375
MDP30-5A-1C	5	5.0 - 5.5	6	30	85-264	90-375
MDP30-12A-1C	12	12 - 14	2.5	30	85-264	90-375
MDP30-24A-1C	24	24 - 28	1.25	30	85-264	90-375
MDP30-24A-1CS	24	22.5 - 28.5	1.25	30	85-264	120-375
MDP50-24A-1CS	24	22.5 - 28.5	2.1	50	85-264	120-375
MDP60-12A-1C	12	12 - 14	5	60	85-264	90-375
MDP60-24A-1C	24	24 - 28	2.5	60	85-264	90-375
MDP100-24AL-1C	24	22.5 - 24.5	3.8	91.2	90-264	120-375
MDP100-12A-1C	12	11.4 - 14.5	8.4	100.8	90-264	120-375
MD120-12A-1C	12	11.4 - 14.5	10	120	90-132 & 180-264	210-375
MD120-24A-1C	24	22.5 - 28.5	5	120	90-132 & 180-264	210-375
MD120-48A-1C	48	45 - 55	2.5	120	90-132 & 180-264	210-375
MD240-12A-1CS	12	11.4 - 14.5	16	192	88-264	120-375
MD240-24A-1C	24	22.5 - 28.5	10	240	90-132 & 180-264	210-375
MD240-24A-1CS	24	22.5 - 28.5	10	240	88-264	120-375
MD480-24A-1C	24	22.5 - 28.5	20	480	90-264	120-375
MD480-48A-1C	48	47 - 56	10	480	90-264	120-375
<b>TWO-PHASE &amp; 3-PHASE</b>						
MDP100-24-2C (2-PH)	24	22.5 - 28.5	4.2	100.8	340-575	480-820
MD120-24-3C (3-PH)	24	22.5 - 28.5	5	120	340-575	480-820
MD240-24-3C (3-PH)	24	22.5 - 28.5	10	240	340-575	480-820
MD480-24-3C (3-PH)	24	22.5 - 28.5	20	480	340-575	480-820
MD960-24-3C (3-PH)	24	22.5 - 28.5	40	960	340-575	480-820
<b>LOW PROFILE</b>						
MDP24-24-1CBA	24	24.0 - 28.0	1	24	90-264	120-375
MDP34-24-1CBA	24	24.0 - 28.0	1.5	36	90-264	120-375
MDP60-24-1CBA	24	24.0 - 28.0	2.5	60	90-264	120-375
MDP75-24-1CBA	24	24.0 - 28.0	4.2	100.8	90-264	12-375