

DINergy™ Power Supplies

The **DINergy™** product offering encompasses power supplies from 18 watt single phase through 960 watt three-phase in the most popular industrial output voltages. The majority also operate as converters with 120 VDC input capability.

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. All designs employ a compact size and are DIN rail mountable.



- UL/cUL Listed to UL 508 & UL 60950-1
- CE certified to EN 61000 specifications
- Most units qualify to UL 1604/ISA 12.12.01; Class 1, Division 2 requirements
- Many units are classified to UL 1310; Class 2 current limiting applications
- All are capable of at least 120% rated load with the exception of UL 1310 recognized units
- RoHS2 compliant designs
- Carries an average MTBF of 450,000 hours
- Overcurrent, short circuit, overvoltage and overheat protection
- DC OK LED and active output terminal for remote status check
- Power boost available for start-up load demand
- Parallel operation (increase output power or redundant operation)
- 3-year warranty
- Same day shipping from Illinois inventory



Three Phase with Metal Case



Low Profile Design

Micron's automatic input voltage matching circuitry senses and adjusts the product to accommodate a range of input voltages without the need for switch actuation. Unlike many competitive product designs employing passive choke filters, DINergy units feature active PFC systems that provide superior harmonic filtering.

POWER SUPPLY QUICK SELECTOR

Model	Case Material	Output Power	Output Voltage	Voltage Adj.	Output Current	Peak Current	Input Voltage	UL 508/60950-1	UL 1604 ISA 12.12.01	UL 1310 Class 2	EN 61000
		(Watts)	(VDC)	Range	(A)	(A)	(VAC)				
SINGLE-PHASE UNITS											
MDP18-12A-1C	P	18	12	10.8 --13.8	1.67 – 1.30	1.80	90-264	X	X	X	X
MDP18-24A-1C	P	18	24	21.6 --28.8	0.83 – 0.63	0.94	90-264	X	X	X	X
MDP30-5A-1C	P	30	5	5.0 – 5.5	6.00 – 5.50	8.03	85-264	X	X		X
MDP30-12A-1C	P	30	12	12 -- 14	2.50 – 2.10	3.45	85-264	X	X	X	X
MDP30-24A-1C	P	30	24	24 -- 28	1.25 – 1.05	1.71	85-264	X	X	X	X
MDP30-24A-1CS	P	30	24	22.5 – 28.5	1.25 – 1.00	1.75	85-264	X			X
MDP50-24A-1CS	P	50	24	22.5 – 28.5	2.10 – 1.70	3.15	85-264	X			X
MDP60-12A-1C	P	60	12	12 – 14	5.00 – 4.25	5.85	85-264	X	X		X
MDP60-24A-1C	P	60	24	24 -- 28	2.50 – 2.10	3.25	85-264	X	X	X	X
MDP100-12A-1C	P	100	12	11.4 --14.5	8.40 – 6.90	10.42	90-264	X	X		X
MDP100-24AL-1C	P	91.2	24	22.5 --24.5	4.44 – 3.70	4.50	90-264	X	X	X	X
MD120-12A-1C	M	120	12	11.4 --14.5	10.53 – 8.28	14.50	90-132 & 180-264	X	X		X
MD120-24A-1C	M	120	24	22.5 --28.5	5.33 – 4.21	6.85	90-132 & 180-264	X	X		X
MD120-48A-1C	M	120	48	45 -- 55	2.50 – 2.10	3.33	90-132 & 180-264	X	X		X
MD240-12A-1CS	M	190	12	11.4--14.5	16.00--13.00	23.75	88-264	X	X		X
MD240-24A-1C	M	240	24	22.5 – 28.5	10.00 – 8.40	13.50	90-132 & 180-264	X	X		X
MD240-24A-1CS	M	240	24	22.5--28.5	10.67 - 8.42	14.50	88-264	X	X		X
MD480-24A-1C	M	480	24	22.5 – 28.5	21.33 – 16.84	25.00	90-264	X	X		X
MD480-48A-1C	M	480	48	47 – 56	10.00 – 8.50	12.50	90-264	X	X		X
TWO-PHASE & THREE-PHASE UNITS											
MDP100-24-2C (2-PH)	P	100.8	24	22.5 – 28.5	4.20 – 3.50	5.40	340-575	X	X		X
MD120-24-3C (3-PH)	M	120	24	22.5 – 28.5	5.00 – 4.20	6.50	340-575	X	X		X
MD240-24-3C (3-PH)	M	240	24	22.5 – 28.5	10.67 – 8.42	14.00	340-575	X	X		X
MD480-24-3C (3-PH)	M	480	24	22.5 – 28.5	21.33 – 16.84	27.00	340-575	X	X		X
MD960-24-3C (3-PH)	M	960	24	22.5 – 28.5	42.67 - 33.68	56.00	340-575	X	X		X
LOW PROFILE BUILDING AUTOMATION STYLE UNITS											
MDP24-24-1CBA	P	24	24	24.0 – 28.0	1.00 – 0.85	1.30	90-264	X	X	X	X
MDP34-24-1CBA	P	36	24	24.0 – 28.0	1.50 – 1.25	1.95	90-264	X	X	X	X
MDP60-24-1CBA	P	60	24	24.0 – 28.0	2.50 – 2.10	3.25	90-264	X	X	X	X
MDP75-24-1CBA	P	100.8	24	24.0 – 28.0	4.20 – 3.60	5.38	90-264	X	X		X
UPS DEVICES AND BATTERY HOLDERS											
MD-VSB240-24-1	M	240	24	24VDC/240WATT VOLTAGE SAG BUFFER/UPS				X			X
DRU30-12/MDPU30	P	360	12	12VDC/30A UPS MODULE				X			X
DRU30-24/MDPU30	P	720	24	24VDC/30A UPS MODULE				X			X
MD-DINBRKTA	M	DIN-MOUNT L.A.B. BRACKET. MAX BATTERY DIMENSION: 134x62x134MM									
MD-DINBRKTB	M	DIN-MOUNT L.A.B. BRACKET. MAX BATTERY DIMENSION: 88x57x97MM									



1211 WEST 22ND STREET SUITE 200
OAK BROOK, IL 60523