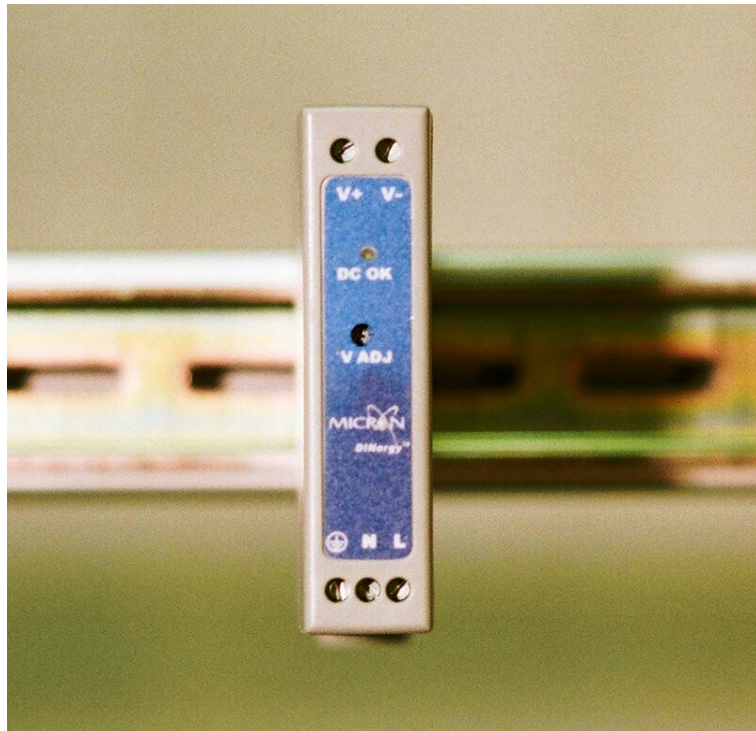




Micron DINergy™ MDP SERIES

Plastic Case DIN Rail Power Supplies



- Low cost industrial power solution
- Wide range input voltage
- Adjustable output voltage
- Over load and short circuit protection
- EMI compliant with EN55022, FCC15
- Attractive small form plastic case
- DC-OK visual indicator LED
- Over voltage protection
- EN61000-3-2 compliant
- UL508, UL60950 and CE certification

Model	Output voltage	Adjust range	Output current	Total power
MDP15-24-1	24 V	22-28 V	0.68 - 0.54 A	15W
MDP15-12-1	12 V	10-14 V	1.50 - 1.07 A	
MDP30-24-1	24 V	22-28 V	1.25 A	30W
MDP30-15-1	15 V	14-18 V	2 A	
MDP30-12-1	12 V	10-14 V	2.5 A	
MDP30-5-1	5 V	4.5-5.5 V	4 A	20W
MDP50-48-1	48 V	46-52 V	1.09 - 0.96 A	50W
MDP50-24-1	24 V	22-28 V	2.27 - 1.79 A	
MDP50-12-1	12 V	10-14 V	5.00 - 3.57 A	

Note: Products are rated for industrial environments and are not to be used nor are warranted in aerospace, medical or lifesafety applications.

GENERAL SPECIFICATIONS

Input voltage	100-240 VAC, +6%, -10%	Connector Size	12-22 AWG
Input Frequency	47-63 HZ	Connector Types:	Standard Screw Terminations
Power Factor	TBD	Installation Clearance requirements	25mm above and below; 15mm in front .
Harmonic Emissions	Conforms to EN61000-3-2	Operating Temperature	-10 to 45 Degrees °C, Full Power; to 60 Degrees °C with derating'.
Hold-Up time	16 ms	Mounting Direction	Vertical
DC Input Voltage	240-300VDC,+/-15%	Visual Indication	1 Green LED for DC OK
Inrush Current	< 25A@120vac, cold start	Over voltage Protection	Auto-restart limited to 105-150%.
Input Current	0.8A max.	Internal Fuse	Yes
Efficiency	Up to 85% at 230VAC (15W:75% at 230VAC)	MTBF	TBD
Overload Condition	Above 105%~150% Hiccup mode		
Short Circuit Protection	Continuous, Hiccup mode automatic recovery		

Regulation (Line + Load +Temperature Drift)	+2.5%(+3%@5V)	Warranty	2 Years
Ripple and Noise	1 %(80mV@5V)	Humidity	5 - 95% RH non-condensing
DC OK LED	Yes	Vibration	IEC68-2-6
Start Up delay	1~2s at 120vac	Shock	IEC 68-2-7
Reverse Voltage	<35 VDC at 24V	Certification	UL508 Listed
Construction	Industry standard plastic case for cost & DIN Connector ;		UL60950-1
Coating or Color Unit	TBD		CE (EMC/LVD)
Front Panel Label	Mylar	EMC Emissions	EN55022B , FCC part15 B
		EMC Immunity	EN55024
		RoHS	Yes

Mechanical/Physical Specifications

Model	Width	Length	Height	Weight
MDP15	22.5mm (0.89")	100mm (3.94")	90mm (3.54")	
MDP30				
MDP50	40mm (1.57")	100mm (3.94")	90mm (3.54")	

Model	Connectors	Pins	Type	Wire Size
MDP15	Input AC (3)	N, L, Ground	Screw Terminal	12-22 AWG
	Output DC (2)	+, -	Screw Terminal	12-14 AWG
MDP30	Input AC (3)	N, L, Ground	Screw Terminal	12-22 AWG
	Output DC (2)	+, -	Screw Terminal	12-14 AWG
MDP50	Input AC (3)	N, L, Ground	Screw Terminal	12-22AWG
	Output DC (4)	+ ,+, -, -	Screw Terminal	12-14AWG

* Micron Industries Corporation reserves the right to make changes at any time without prior notification.

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