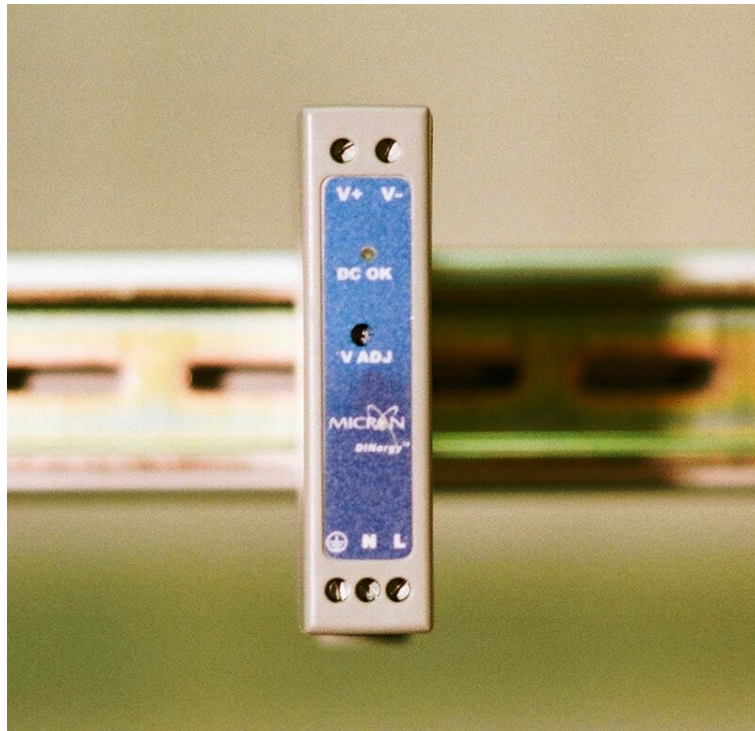




Micron DINergy™ MDP SERIES

Plastic Case DIN Rail Power Supplies



- Low cost industrial power solution
- Wide range input AC/DC voltage
- Adjustable DC output voltage
- Over load, overvoltage and short circuit protection
- EMI compliant with EN55022,FCC15
- Attractive small form plastic case
- DC-OK visual indicator LED
- UL1604 listed for CL1 DIV2 (30w)
- EN61000-3-2 compliant
- UL508

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		
DC Input Voltage	240-300VDC,+15%	Mounting Direction	Vertical
Inrush Current	< 25A@120vac, cold start	Visual Indication	1 Green LED for DC OK
Input Current	0.8A max.	Over voltage Protection	Auto-restart limited to 105-150%.
Efficiency	Up to 85% at 230VAC (15W:75% at 230VAC)	Internal Fuse	Yes
Overload Condition	Above 105%~150% Hiccup mode	MTBF	TBD
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.

(Feb 2011 ver A)

Micron Industries Corporation
1211 W. 22nd Street
Suite 200
Oak Brook, IL 60523 USA