



TRI-MAG, Inc.
your POWER Specialists

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ATX DC12/24/48 SERIES 250, 300 & 450 Watts



Industrial, Telecommunication & PC Applications

DESCRIPTION

The latest technology and topology is used to design this series.

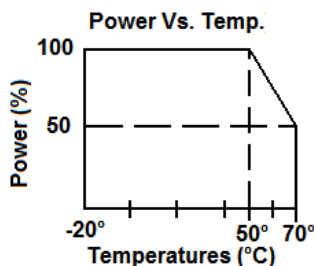
This technology efficiently delivers the maximum output of continuous power and lower minimum load requirements. This topology also assures very high reliability and performance.

FEATURES

- High Efficiency
- Low Cost
- Low Output Noise
- High Surge Output
- Overload Protection
- Short Circuit Protection
- 100% Hi-Pot Tested
- 100% Cycling On-Off Burn-In Test
- Built-In Line Filter FCC Class B and VDE Class B
- Power Good Signal

APPLICATIONS

- Personal Computers
- Industrial Computers
- Telecommunications
- Process Control Equipment
- LAN Equipment
- Instrumentation
- Workstations
- Robotics



GENERAL SPECIFICATIONS

Line Input..... a) 90VAC to 132VAC
 or 180VAC to 264VAC, 47Hz to 63Hz
 b) -48VDC (DC48 model)
 c) 24VDC (DC24 model)
 d) 12VDC (DC12 model)

Output Power..... See Specifications
 Output Adjustable..... Main Output $\pm 10\%$
 Efficiency..... 70% Typical
 Holdup Time..... (115V) 20ms
 Isolation..... 3750VAC
 Operating Temperature..... 0 to 50°C
 Storage Temperature..... -20°C to 85°C
 Temperature Coefficient..... 0/02% / C
 Ripple Voltage..... See Specifications
 Safety:
 Designed in full compliance with..... UL 60650
 CSA 22.2 #234
 EN60950

MECHANICAL SPECIFICATIONS

1. 1U

Dimension is depend on product refer to detailed specifications.



2. PS2

Dimension : 5.93" X 5.51" X 3.40"



3. REDUNDANT

Dimension : 5.51" X 3.40" X (L)
 "L" is dependant on product refer to detailed specifications





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ATX, DC 12/24/48 SERIES: 250W, 300W, 450W

WATTAGE	MODEL#	+3.3VDC	+5VDC	-5VDC	+12VDC	-12VDC	+5VDC	NOTE:	CASE TYPE
350	ATX3506 P4	28.0	30.0	0.5	15.0	1.0	3.0	ATX-P4	PS2
250	DC24-2250	-	25.0	1.0	10.0	1.0	-	+24VDC INPUT	PS2
250	DC48-2250	-	25.0	1.0	10.0	1.0	-	-48VDC INPUT	PS2
250	DC12-2250ATX	8.0	25.0	0.5	8.0	1.0	0.72	+12VDC INPUT, ATX	PS2
250	DC24-2250ATX	20.0	25.0	0.5	12.0	0.5	0.75	+24VDC INPUT, ATX	PS2
300	DC48-2300ATX	20.0	30.0	0.5	14.0	0.5	0.75	-48VDC INPUT, ATX	PS2
250	ATX2506PFC/1U	15.0	25.0	0.5	10.0	0.5	2.0	ATX WITH PFC	PS2, 1U
300	ATX3006PFC	14.0	30.0	0.5	12.0	0.5	0.75	ATX WITH PFC	PS2, 1U
450	ATX4006PFC	25.0	30.0	0.5	12.0	1.0	2.0	ATX WITH PFC	PS2
250	DC48-2250ATXRD	20.0	25.0	0.5	12.0	0.5	0.75	-48VDC INPUT, ATX	REDUNDANT
300	DC48-2300ATXRD	20.0	30.0	0.5	16.0	1.0	1.5	-48VDC INPUT, ATX	REDUNDANT
300	ATX-300RDP/1U	28.0	35.0	0.5	20.0	0.5	2.0	ATX WITH PFC	1U, REDUNDANT
300	ATX-300RDP	20.0	35.0	0.5	20.0	0.5	2.0	ATX WITH PFC	REDUNDANT
370	ATX-370RD	20.0	40.0	0.5	25.0	0.5	2.0	ATX	REDUNDANT

ATX -175EU (175Watts)

Input Voltage: 110~240VAC Full Range
 Input Frequency: 47Hz to 63Hz
 Efficiency: 75% min.
 Isolation (Hi-Pot): 3000VRMS

Dimension:
 3.19" x 1.3" x 5.12" (81mm x 33mm x 130mm)
 in "U" shape enclosure

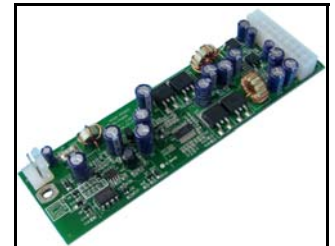
Detailed Specifications available

DC Output Voltages

Output voltage	V1 +5V	V2 3.3V	V3 +12V	V4 -5V	V5 -12V	5VS B
Max Load	14A	7A	8A	0.3A	0.3A	1A
Min. Load	1A	0A	0.5A	0A	0A	0A
Max . Power	90W		1.5W	3.6W	5W	
	165W					
Load Reg. %	±5%	+5/-3%	±10%	±10%	±10%	±5%
Line Reg. %	±5%	+5/-3%	±10%	±10%	±10%	±5%
Cross Reg. %	±1%	+5/-1%	±1%	±1%	±1%	±1%
Ripple %	±1%	+5/-1%	±1%	±2%	±2%	±1%
Noise %	±1%	+5/-1%	±1%	±2%	±2%	±1%

DC12 -90ATX (Open Frame, 90Watts)

Input Voltage: +12VDC
 Efficiency: 83% min.
 Operating Temp. 0-40°C



Dimension:
 4.05" x 2.54" x 0.86" (103mm x 64mm x 22mm)
 in Open Frame

DC Output Voltages

Output voltage	V1 3.3V	V2 +5V	V3 +12V	V4 +12V	V5 +5VSB
Max Load	6A	6A	2.3A	0.1A	1.5A
Min. Load	0.05A	0.05A	0.05A	0.01A	0A
Load Reg. %	±5%	±5%	±5%	±10%	±5%
Line Reg. %	±5%	±5%	±5%	±10%	±5%
Ripple %	50mV	50mV	120mV	150mV	50mV
Noise %	100mV	100mV	120mV	150mV	100mV

Other Models: (200W) (90W)
 Detailed Specifications available