

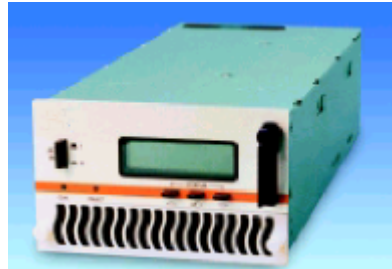


ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

MD-1/2-48RD10-980090

SPECIFICATION



1.AC Input

- (1) Input Voltage : 90V – 20% ~ 220V +30% nominal , Single phase .
- (2) Operating voltage : 90 ~ 300Vac , start – up mains must be greater than 80Vac . (Linear decrease Power Limit Protection will be activated to protect the rectifier from overheated when the mains drops below 70Vac)
- (3) Input frequency range : 45 ~ 65Hz .
- (4) Input current : Max 10A (90VAC full load)
- (5) Inrush current : 20A
- (6) Power Factor : 0.97 (with 50% ~ 100% loading , at nominal AC mains)
- (7) Efficiency : 85%
- (8) EMI meets VDE 0878 – B standards

2.DC Output

- (1) Output Voltage : 54Vdc nominal . Float / Load 40 ~ 60Vdc , adjustable .
- (2) Output Current : 0 ~ 12.5Adc .
- (3) Power Max : 750W Max .
- (4) Wide – Band Output Noise : < 10mV.
- (5) Output Over – current limit : 2.5 ~ 13.8A , adjustable .



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(6) Output Voltage Regulation :

(6.1) Line effect : 90 to 280V : $<\pm 0.2\%$

(6.2) Load effect : 0 to 100% : $<\pm 0.5\%$

(7) Soft Start : > 3 Sec .

(8) Psophometrics : 2mV .

(9) Current share : $<\pm 5\%$.

(10) Audible Noise < 50 dBa (1 meter) .

(11) EMI meets VDE 0878 – B standards .

(12) Over Voltage protection : $60V \pm 0.3V$.

3.Safety

(1) Meet IEC950 standards .

(2) MTBF > 10 years

(3) Cooling : Internal fan cooling with thermal control .

4.Environment :

(1) Operation Temperature : $- 5^{\circ}C \sim + 45^{\circ}C$

(2) Storage Temperature : $- 40^{\circ}C \sim + 80^{\circ}C$

(3) Relative Humidity : 10 ~ 90% RH (non – condensing)

(4) Altitude : less than 3000 meter

5.Mechanical :

(1) Height : 87.8mm

(2) Width : 141.8mm

(3) Depth : 354.6mm

(4) Weight : 3.5Kg



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