



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

MD-1/2-24RD20-7120

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 8A (90VAC full load)
- (5) Inrush current: 30A
- (6) Power Factor: 0.95 (with 50% ~ 100% loading, at nominal AC mains)
- (7) Efficiency: 85% (at AC 220V full Load)
- (8) EMI meets CISPR CLASS B standards

1. DC Output

- (1) Output Voltage: 27Vdc nominal. Float / Load 20 ~ 30Vdc, adjustable.
- (2) Output Current: 0 ~ 20A dc.
- (3) Power Max: 600W Max.
- (4) Wide – Band Output Noise: < 10mV.
- (5) Output Over – current limit: 4 ~ 22A, adjustable.
- (6) Output Voltage Regulation:
 - (6.1) Line effect: 90 to 280V: <±0.2%
 - (6.2) Load effect: 0 to 100%: <±0.5%
- (7) Soft Start: > 1 Sec.
- (8) Psophometrics: 2mV.
- (9) Current share: <±5%.
- (10) Audible Noise < 50dBA (1 meter).
- (11) EMI meets CISPR CLASS B standards.
- (12) Over Voltage protection: 30V ± 0.3V.



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2. Safety

- (1) Meet IEC950 standards.
- (2) MTBF > 10 years
- (3) Cooling: Internal fan cooling with thermal control.

3. Environment:

- (1) Operation Temperature: - 5 ~ + 45
- (2) Storage Temperature: - 40 ~ + 80
- (3) Relative Humidity: 10 ~ 90% RH (non – condensing)
- (4) Altitude: less than 3000 meter

4. Mechanical:

- (1) Height: 132mm
- (2) Width: 142mm
- (3) Depth: 300mm
- (4) Weight: 3.5Kg



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