

## 125 Watt (Din Rail) AC/DC Converter

- DIN RAIL SWITCHING POWER SUPPLY
- UNIVERSAL INPUT RANGE 90...264 VAC, 47...63HZ OR 120...370VDC
- ULTRA COMPACT SIZE
- 3000 VAC INPUT-OUTPUT ISOLATION
- REGULATED OUTPUT
- 125W WITH 18CFM FAN
- EFFICIENCY UP TO 75%
- PFC FUNCTION

## ELECTRICAL SPECIFICATIONS

All specifications valid at nominal Input voltage, full load and +25°C after warm-up time unless otherwise stated.

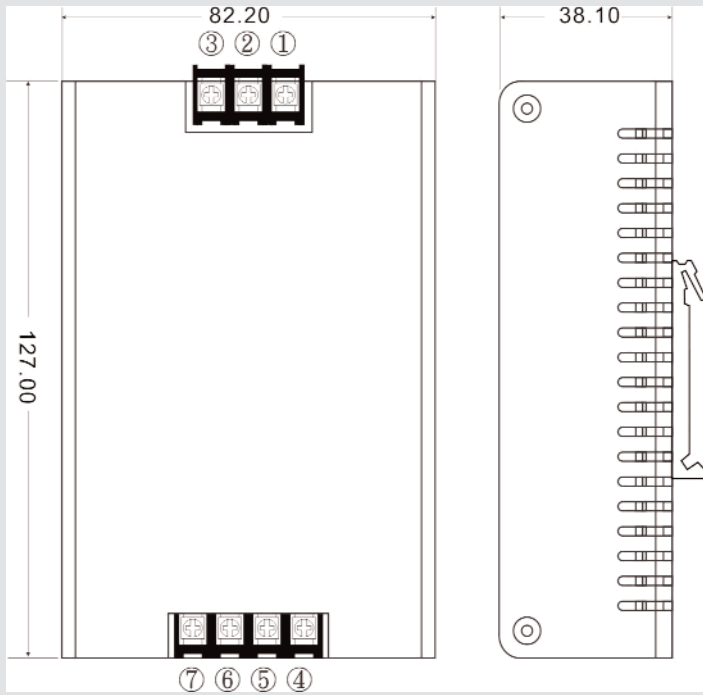
Model No. (Single Output)	AMED125-3.3S	AMED125-5S	AMED125-12S	AMED125-15S	AMED125-24S	AMED125-48S	
Max. Output Wattage (Convection)	52W	80W	95W	95W	95W	95W	
Max. Output Wattage (18CFM Fan)	82.5W	125W	125W	125W	125W	125W	
Input	Voltage						90-260 VAC or 120-370 VDC
	Frequency (Hz)						47-63 Hz
	Current (Full Load)						3A Max. (115VAC) / 1.5A Max. (230VAC)
	Inrush Current (<2ms)						30A Max. (115VAC) / 60A Max. (230VAC)
	Leakage Current						3.5mA max.
	Power Factor						PF>0.97 (115VAC) / PF>0.93 (230 VAC) at Full Load
Output	Voltage (VDC)						3.3V    5V    12V    15V    24V    48V
	Voltage Accuracy						±2%
	Max. Current (Convection)						16A    16A    7.9A    6.33A    3.95A    1.98A
	Max. Current (18CFM Fan)						25A    25A    10.4A    8.33A    5.2A    2.6A
	Line Regulation (LL-HL) (typ.)						±1%
	Load Regulation (5-100%) (typ.)						±1%
	Minimum Load						0%
	Maximum Capacitive Load						470-23,000µF Depending on model.
	Ripple & Noise						100mV max.    1% max.
	Efficiency						68%    70%    75%    75%    75%    75%
	Hold-up Time						18ms min.
Protection	Switching Frequency						67kHz
	Over Power Protection						Auto Recovery
	Over Voltage Protection						Auto Recovery
Isolation	Short Circuit Protection						Auto Recovery
	Input-Output (VAC)						3000V
	Input-FG (VAC)						1500V
Environment	Output-FG (VAC)						500V
	Operating Temperature (Conv)						-25°C ... +40°C (without derating)
	Operating Temperature (Fan)						-25°C ... +50°C (without derating)
Physical	Storage Temperature						-40°C ... +85°C
	Temperature Coefficient						0.02% / °C (0...50°C)
	Humidity						95% RH
EMC	MTBF						> 100,000 hrs @ 25°C (MIL-HDBK-217F)
	Dimensions (LxWxH)						5.00 x 3.24 x 1.50 Inches (127.0 x 82.2 x 38.1mm) Tolerance ±0.5mm
	Weight						470g
EMC	Cooling Method						Free Air Convection / 18CFM Forced Air
	EMI (Conducted & Radiated Emission)						EN55022 Class B
	EMS (Noise Immunity)						EN55024

Specifications are subject to change without notification.

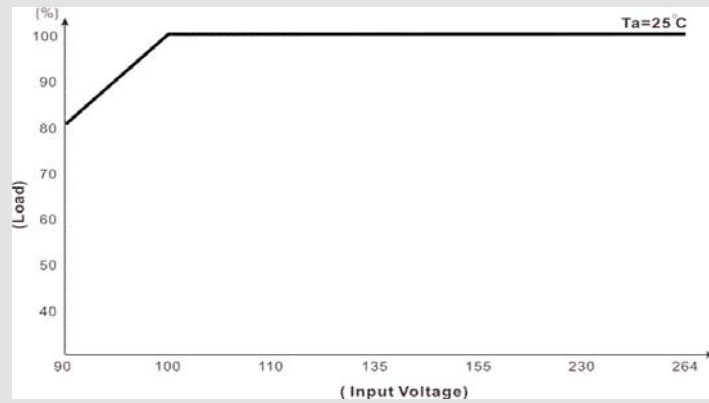
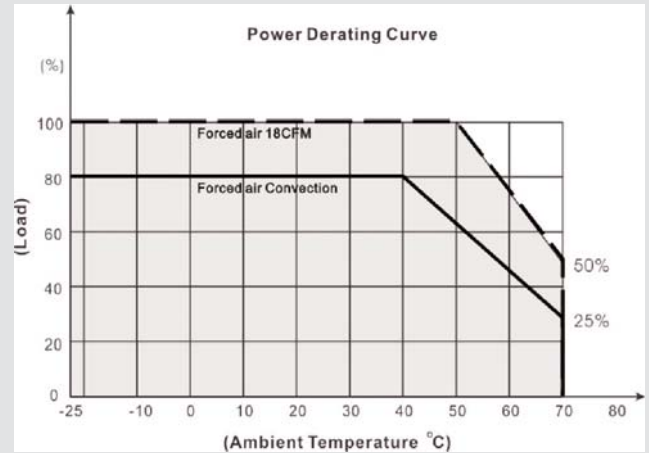
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## OUTLINE DIMENSIONS & PIN CONNECTIONS

MECHANICAL DIMENSION (Top View)



DERATING



Pin	Single
1	FG
2	AC Input (N)
3	AC Input (L)
4, 5	+DC Output
6, 7	-DC Output

BLOCK DIAGRAM

