

Picture Available Soon

125 Watt (Open Frame) AC/DC Converter

- OPEN FRAME 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.

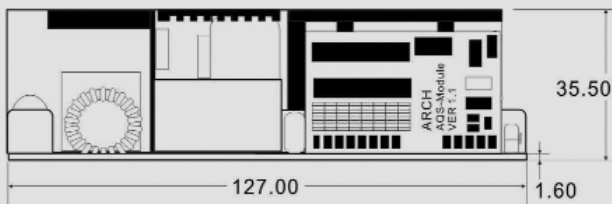
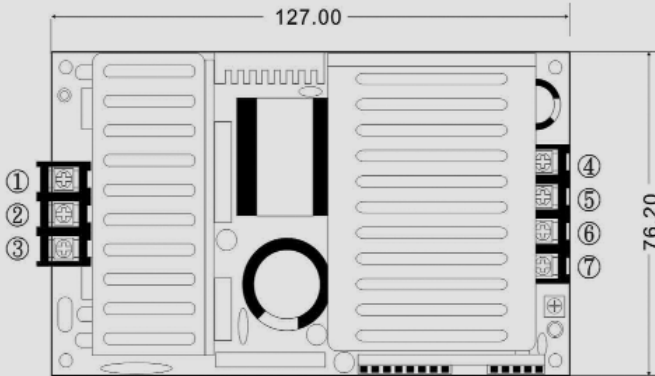
Model No. (Single Output)	AMEO125-3.3S	AMEO125-5S	AMEO125-12S	AMEO125-15S	AMEO125-24S	AMEO125-48S	
Max. Output Wattage (Convection)	66W	100W	100W	100W	100W	100W	
Max. Output Wattage (18CFM Fan)	82.5W	125W	125W	125W	125W	125W	
Input	Voltage						90-260 VAC or 120-370 VDC
	Frequency (Hz)						47-63 Hz
	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)						20A 20A 8.33A 6.66A 4.16A 2.08A
	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	Over Power Protection						Auto Recovery
	Over Voltage Protection						Zener Diode Clamp
	Short Circuit Protection						Auto Recovery
Isolation	Input-Output (VAC)						3000V
	Input-FG (VAC)						1500V
	Output-FG (VAC)						500V
Environment	Operating Temperature (Conv)						-25°C - +40°C (without derating)
	Operating Temperature (Fan)						-25°C - +50°C (without derating)
	Storage Temperature						-40°C - +85°C
	Temperature Coefficient						0.02% / °C (0-50°C)
	Humidity						95% RH
Physical	MTBF						> 100,000 hrs @ 25°C (MIL-HDBK-217F)
	Dimensions (LxWxH)						5.00x3.00x1.40 Inches (127.0x76.2x35.5mm) Tolerance ±0.5mm
	Weight						365g
	Cooling Method						Free Air Convection / 18CFM Forced Air
EMC	EMI (Conducted & Radiated Emission)						EN55022 Class B
	EMS (Noise Immunity)						EN55024

Specifications are subject to change without notification.

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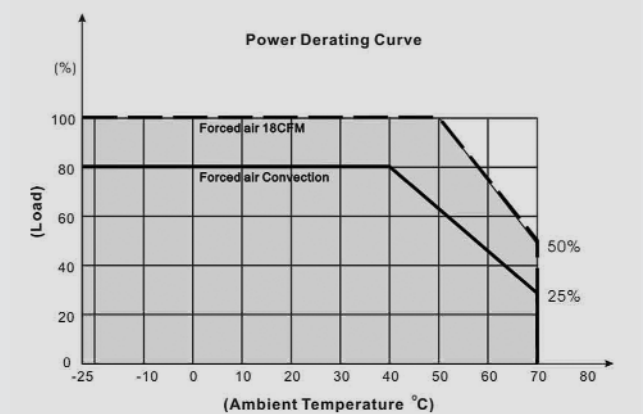
OUTLINE DIMENSIONS & PIN CONNECTIONS

MECHANICAL DIMENSION (Top View)



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

DERATING



BLOCK DIAGRAM

