



FEATURES:

- RoHS compliant
- Enclosed switching power supply
- Ultra compact size
- Universal input: 90-260VAC, 47-63Hz, or 120-370VDC
- Output voltage adjustment
- Efficiency up to 75%
- 125W with 18CFM FAN
- Regulated output
- PFC function

Models
Single output

Model	Input Voltage (VAC/Hz)	Input voltage (VDC)	Max Output wattage (W) (18CMF Fan)	Max Output wattage (W) convection	Output Voltage (V)	Output Current max (A) (18CMF Fan)	Output current (A) convection	Ripple & Noise (% of Vout), max	Efficiency (%)
AME125-3.3SZ	90-260/47-63	120-370	82.5	52	3.3	25	16	100 mV p-p	68
AME125-5SZ	90-260/47-63	120-370	125	80	5	25	16	100 mV p-p	70
AME125-12SZ	90-260/47-63	120-370	125	95	12	10.4	7.9	1	75
AME125-15SZ	90-260/47-63	120-370	125	95	15	8.33	6.33	1	75
AME125-24SZ	90-260/47-63	120-370	125	95	24	5.2	3.95	1	75
AME125-48SZ	90-260/47-63	120-370	125	95	48	2.6	1.98	1	75

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Current	115 VAC		3	A
	230 VAC		1.5	A
Inrush current <2ms	115 VAC		30	A
	230 VAC		60	A
Leakage current			3.5	mA

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy		±2		%
Line regulation		±1		%
Load regulation		±1		%
Maximum capacitive load	Depending of the model	470~ 23 000		µF
Minimum load		0		%
Hold-up time (min)		18		ms
Voltage adjustment range		±10		%

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Input / Output		3000		VAC
Input FG		1500		VAC
Output FG		500		VAC

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency		67		KHz
Over current protection	Auto recovery			
Over voltage protection	Auto recovery			
Short circuit protection	Auto recovery			

General Specifications (continued)

Parameters	Conditions	Typical	Maximum	Units
Operating temperature	Convection (with derating above 40°C)	-25 ~ +40		°C
	Forced air (with derating above 50°C)	-25 ~ +40		°C
Storage temperature		-40 ~ +85		°C
Temperature coefficient	(0-50 °C)	0.02		% / °C
Cooling	Free air Convection / 18CFM forced air			
Humidity	Non condensing		95	% RH
Weight		470		g
Dimensions	5 x 3.24 x 1.5 inches		127.0 x 82.2 x 38.0 mm	
MTBF	> 100 000 hrs (MIL-HDBK -217F, t=+25°C)			

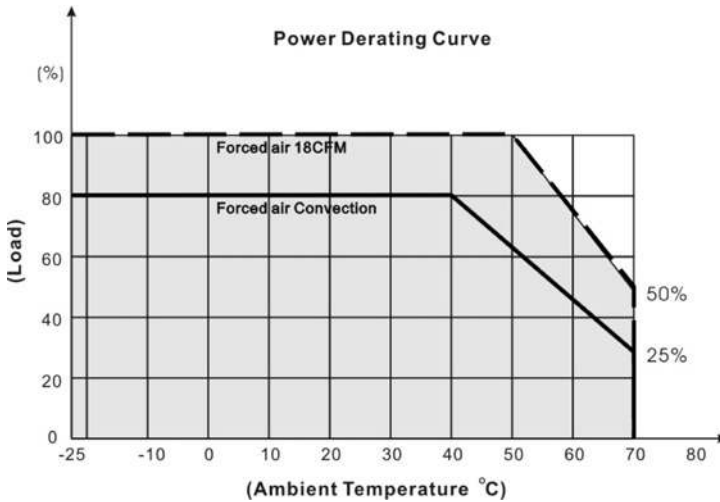
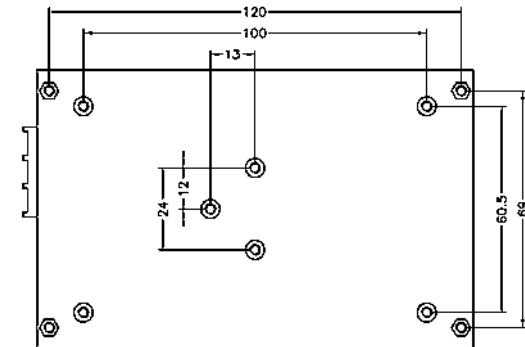
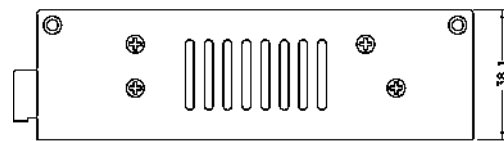
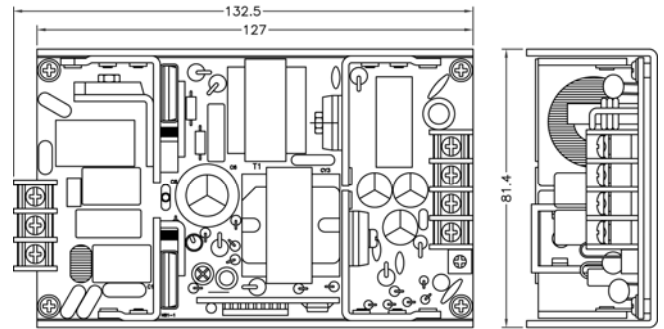
Safety Specifications

Standards	
Safety	EN55022 class A (EMI – Conducted & Radiated Emission), EN 61000-4-2-6
Agency approvals	cULus, CE

Pin Out Specifications

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

Dimensions



Block diagram

