



### FEATURES:

- RoHS compliant
- U-bracket switching power supply
- Ultra compact size
- Universal input: 90-260VAC, 47-63Hz, or 120-370VDC
- 3000VAC Input/Output Isolation
- Efficiency up to 75%
- 150W with 18CFM FAN
- Regulated output
- PFC function



### Models Single output

Model	Input Voltage (VAC/Hz)	Input voltage (VDC)	Max Output wattage (W) (18CFM Fan)	Max Output wattage (W) convection	Output Voltage (V)	Output Current max (A) (18CFM Fan)	Output current (A) convection	Ripple & Noise (% of Vout, max)	Efficiency (%)
AMEU150-3.3SZ	90-260/47-63	120-370	66	82.5	3.3	20	25	100 mV p-p	68
AMEU150-5SZ	90-260/47-63	120-370	100	125	5	20	25	100 mV p-p	70
AMEU150-12SZ	90-260/47-63	120-370	120	150	12	10	12.5	1	75
AMEU150-15SZ	90-260/47-63	120-370	120	150	15	8	10	1	75
AMEU150-24SZ	90-260/47-63	120-370	120	150	24	5	6.25	1	75
AMEU150-48SZ	90-260/47-63	120-370	120	150	48	2.5	3.13	1	75

### Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Current	115 VAC (full load)		3	A
	230 VAC (full load)		1.5	A
Inrush current <2ms	115 VAC		30	A
	230 VAC		60	A
Leakage current			3.5	mA
Power factor	115VAC full load		PF>0.97	
	230VAC full load		PF>0.93	

### Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy		±2		%
Line regulation	LL-HL	±1		%
Load regulation	5-100%	±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 - +70		°C
	Fan (with derating above 50°C)	-25 - +70		°C
Storage temperature		-40 to +85		°C
Temperature coefficient	0-50 °C	0.02		% / °C
Cooling	Free air convection / 18CFM Forced air			
Humidity	Non condensing		95	% RH
Weight		450		g
Dimensions	5 x 3.24 x 1.5 inches	127.0 x 82.2 x 38.1 mm		
MTBF	> 100 000 hrs (MIL-HDBK -217F, t=+25°C)			

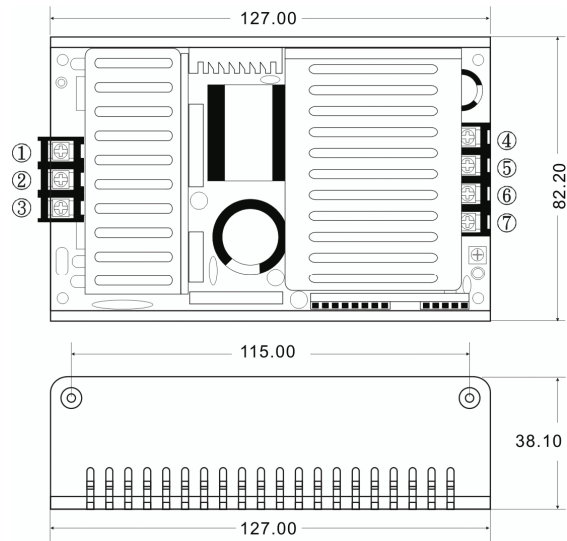
**Safety Specifications**

Standards	
Safety	EN55022 class B, EN 55024
Agency approvals	cULus, CE

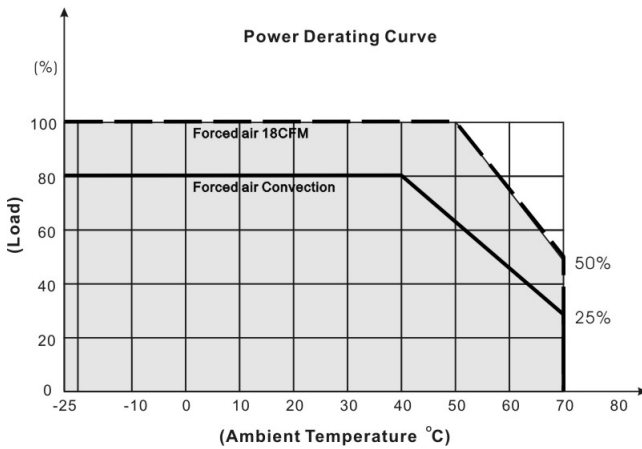
**Pin Out Specifications**

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

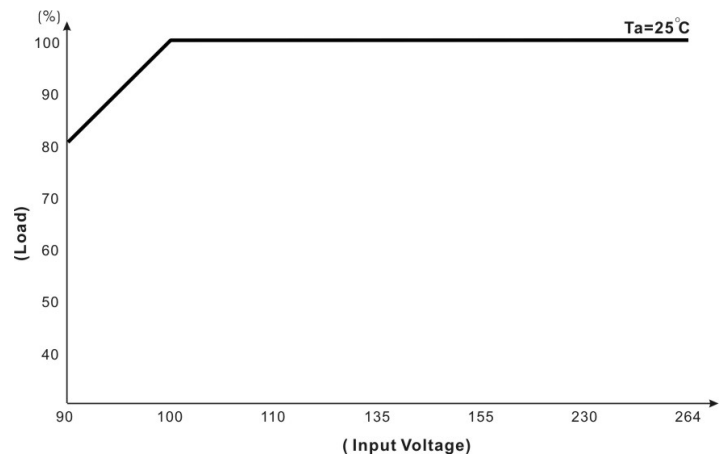
**Dimensions**



**Derating**



**Temperature graph**



**Block diagram**

