



PMAM115 Series 115W Power Supply

BF direct patient
contact rated



UL[®] US

CB

CE



- IEC 60601-1-2 4th Edition Compliant
- BF (Body Floating) Rated
- Class II Construction for Home Health Care
- Class I With Functional Ground Connection
- Compact 2" x 4" Footprint
- 100uA @ 264VAC Earth Leakage Current
- Up to 91% efficiency
- No-load Power Consumption <0.5W (Green Power Design)

Electrical Specifications

Input

Input Voltage	85-264VAC
Input Frequency	47-63 Hz
Input Current	2A max (RMS) @ 115VAC
Inrush Current	<30A peak @ 115VAC, <60A peak @ 230VAC, cold start, 25°C
Standby Power	<0.5W

Output

Total Output	115W (with 7 CFM airflow)
Output Voltage	See table
Hold Up Time	>12mS at full load and 115VAC nominal line
Average Efficiency	90% typical, full load, 230VAC
Minimum Load	No minimum load
Turn on Delay	0.7 seconds

Protection

Overvoltage	125%-150% of nominal voltage. Latching
Overload	130%-160% of maximum output current. Auto recovery
Short Circuit	Hiccup mode. Auto recovery

Environmental & Operating

Operating Temperature	-20°C to +70°C, with linear derating from 50°C to 70°C. See derating curve for value
Low Temperature Start	Can start at -40°C with output derated to 20% of full load for initial 20 minutes
Storage Temperature	-40°C to +85°C
Humidity	5% - 95% non-condensing
MTBF:	>100K hours per MIL-HDBK-217F at full load and 25°C ambient

Compliance & Safety Approvals

USA	ANSI/AAMI ES60601-1
Canada	cUL ES60601-1
Europe	TUV EN60601-1 3rd edition CB Report
Isolation	4000VAC input to output, 2 x MOPP 1500 VAC input to ground, 1 x MOPP 1500 VAC output to ground, 1 x MOPP
EMC (IEC 60601-1-2:2014):	FCC Class B Radiated & Conducted CISPR11 Class B Radiated & Conducted EN55011 Class B Radiated & Conducted
Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2: ±15kV Air, ±8kV contact
Radiated Immunity	IEC 61000-4-3: 10V/m
EFT/Burst	IEC 61000-4-4: ±2kV
Surge Immunity	IEC 61000-4-5: 1kV diff, 2kV com
Conducted Immunity	IEC 61000-4-6: 10Vrms
Magnetic Field	IEC 61000-4-8: 30A/m
Dips / Interruptions	IEC 61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 100% reduction for 10ms

General

Dimensions	4"(101.6mm)L x 2"(50.8mm)W x 1.30"(33mm)H
AC Input CN1	3 Pin Molex 09-05-1031 or equivalent
Output CN2	6 Pin Molex 09-05-1061 or equivalent
Weight	1.1 pounds

Your Partners in Power.....

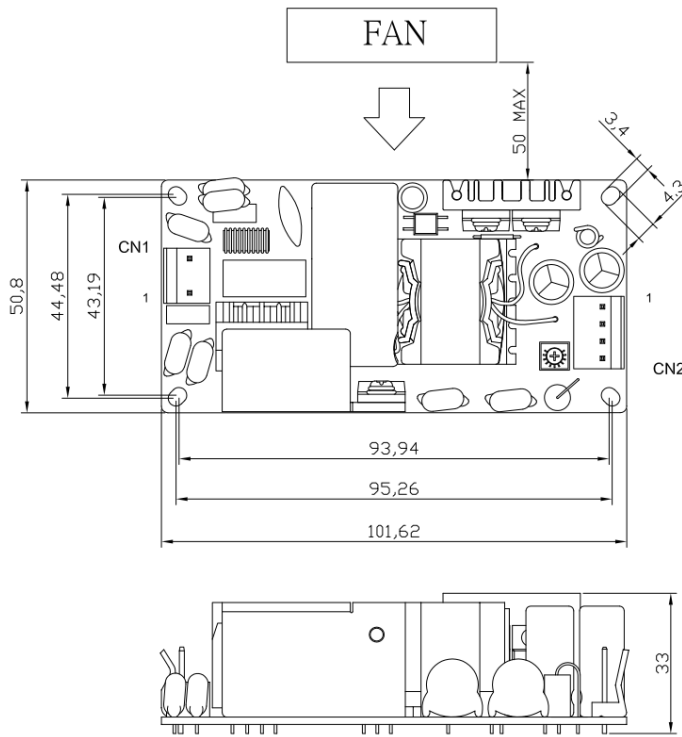
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Mechanical Outline / Output Cable and Pin Assignment



Parameter	Conditions/Description				
Dimension	101.6 (L) x 50.8 (W) x 33.0 (H) mm, Tolerance +/- 0.4mm.				
Connector & Pin Assignment	Location	Pin	Assignment	Proposed Housing	Proposed Terminals
		CN1 (Input)	1		
		3	AC in (N)		
	CN2 (Output)	1	0 V	MOLEX: 09-05-1061 (5195-04) or 09-52-4064 (5239-04);	MOLEX: 5194 or 5225 2478, 2578,5176 or 5168;
		2	0 V		
3		+ V			
	4	+ V			

Notes

- 1) Optional connectors available. Please consult Power Partners for details
- 2) Output return isolated from Earth Ground