ANURA Corporation of America

TESTED

# Model M150 150 Wattsmax output power

Power Factor Correction

### Single Output

### **Electrical Specifications**

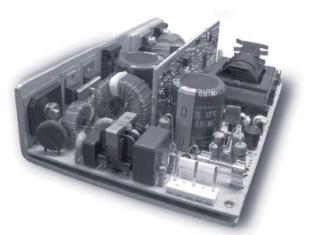
#### 85-132/180-264 VAC, 47-63 Hz, 1 phase Input Voltage: Input Current: <3.2A RMS @ 115 VAC @ full load <1.6A RMS @ 230 VAC @ full load Inrush Current: <25A, pk @ 132 VAC @ cold start <50A, pk @ 265 VAC @ cold start Power Factor: Meets Class A requirements Harmonic Distortion: Meets EN61000-3-2 for Class A EMI Filtering: Meets CISPR 11 and 22 and FCC Part 15 Class B (conducted) Input Protection: Internal AC line fuse; 250 VAC, 6.3A Output Power: 150W with 15CFM air; 80W Convec ion Line Regulation: ± 0.3% Load Regulation: ±0.5% PARD: <1% or 50mV; 20MHz bandwidth Hold-up Time: 20 ms @ full load (120 VAC) Output is floa ing Output Polarity: Minimum Load: 0% of rated load Transient Response: 3% for 25% load change @ 1A/µs; 50% duty cycle 50/60 Hz Output Rise Time: <100 ms (10% to 90%) Current Limit: 105-130% of rated current; Hiccup Remote Sense: Compensates for up to 250mV of total cable drop Remote On/Off: Optional



Switch Mode Power Supply

Medical Grade Certifications

Highly Accelerated Life Testing



Thermal Shutdown	Standard
DC OK:	Standard; Open Collector
Turn-on Delay:	<1 second after application of AC Input
Stability:	<0.1% for 8 hours after 1/2-hour warm up
Isolation:	>20 MΩ @ 100 VDC between output terminals and chassis ground
AC Power Fail:	TTL <sub>LOW</sub> logic "0" at least 2 ms before output drops 5%; Open Collector
Overvoltage Protect:	Factory set, 125% ±5%, cycle AC to reset
Reverse Voltage:	Output has reverse voltage protection; Reverse current limited to 100% of output rating
Efficiency:	Up to 85%
MTBF:	MIL-STD-HDBK 217E >200,000 hours @ 25°C Highly Accelerated Life Testing
	Continuous

### Available Voltage Outputs\*

< 300 µA

Leakage Current:

Voltage Codes	Voltages (Volts)	Current (Amps)
-2	3.3	30
-3	5.0	30
-4	12.0	12.5
-5	15.0	10.5
-6	24.0	<b>6.5</b> 5.5
-7	28.0	
-8	36.0	4.5
-9	48.0	3.5

\* Consult factory for other voltages and OEM quantities. Note: Standard models are shown bold

PART # STRUCTURE:				
MODEL	-	VOLTAGE CODE	-	<b>OPTION CODES</b> (See back)
	-	V1	-	
PAM150	-	X	-	ABC
Evenue les Deut Number	DAMA	EO C CK- 4EOM Down		aton Converted 241/@ CEA with a fe

Example: Part Number PAM150-6-CK= 150W Power Factor Corrected, 24V @ 6.5A with a fan assembly and a Molex connector. SEE 3rd page for the PAM150 CODE TABLE AND AVAILABLE OPTIONS.



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### Model AM150 Options (code)

12V@0.5A Aux./Fan Drive (A) Fan Assembly (C) PF Invert (F) Single Wire Current Share ±5% (I) Molex Connector (K) OR-ing Diode (O) Remote On/Off Invert (S)

### Safety Compliance

UL60601-1 CSA C22.2 No. 601.1 BAUART Certification to EN60601-1 CB Test Report in Accordance with IEC60601-1 CE Declaration to Low Voltage Direc ive 2006/95/EC

Droop Current Share ±10% (B)

DC OK Invert (E)

Field-Configurable (G)

Square Current Limit (J)

Metric Moun ing (M)

Remote On/Off (R)



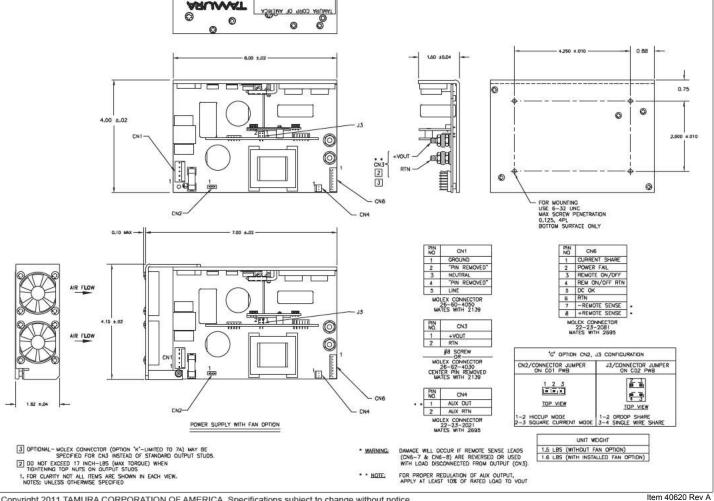
### Surge & ESD Test Levels

EN61000-4-5 Level 3 EN61000-4-2 Level 2 EN61000-3-2 for Class A EN61000-4-2 Level 3 (Air Only) EN61000-4-4 Level 3 EN61000-4-11 CISPR 11 and 22 FCC Part 15 Class B (conducted)

### Physical Specifications

Dimensions: (HxWxL)	1.5" x 4.0" x 6"		
Operating Temp:	0 to 70°C; rated derate linearly to		
Relative Humidity:	5% to 90%, non		
Storage:	-50 to 85°C/20-9		
Altitude:	6561 40,000' storage		

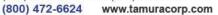
ated power to 50°C arly to 50% at 70°C. non-condensing /20-90% RH



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PRODUCT CODE TABLE

RoHS

## **PAM150 Series Power Supply**

	Idard Models	Tailore PAM150-	d Models Custom Models 60ZZZ PAM150-61ZZZ
<b>I</b>			
	Voltage and Current Ratings		Standard Options
X Codes	Volts	Amps	"Y" Code Descriptions
1	Not Av	ailable	A 12Vdc, 0.5A Auxiliary Output** B Droop Share* C Fan Assembly**
2	3.3	30.0	E DCOK Invert F PF Invert
3	5.0	30.0	G Field configurable options – B, I, and J I Single Wire Share*
4	12.0	12.5	J Square Current Limit K Molex Connector, 7A max. (#8 studs standard)
5	15.0	10.5	M Metric Mounting O ORing Diode
6	24.0	6.5	R Remote On/Off (closed is OFF) S Remote On/Off Invert (open is OFF)
7	28.0	5.5	*Includes Option J **Options A and C are not available together
8	36.0	4.5	
9	48.0	3.5	Tailored Units (no safety changes):
			 60ZZZ, where ZZZ = Factory Assigned Number Harnesses Added, Special test data, Etc.
			Custom Units (safety critical changes)
			 61ZZZ, where ZZZ = Factory Assigned Number