

「AVVURA Corporation of America

Model

M150

150 Watts_{max} output power

Power Factor Correction

Single Output

Electrical Specifications

Input Voltage: 85-132/180-264 VAC, 47-63 Hz, 1 phase

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

Meets EN61000-4-5 Level 3 Surge Withstand:

150W with 15CFM air; 80W Convection Output Power:

Line Regulation: ± 0.3% Load Regulation: ± 0.5%

PARD: <1% or 50mV;

20MHz bandwidth

20 ms @ full load (120 VAC) Hold-up Time:

Output is floating 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%)

105-130% of rated current; Hiccup Current Limit:

Remote Sense Compensates for up to 250mV of total cable

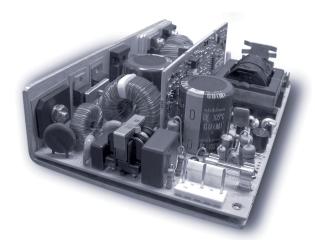
Remote On/Off: Optional Leakage Current: < 300 µA **Switch Mode Power Supply**



TESTED

Medical Grade Certifications

Highly **A**ccelerated Life **T**esting



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

TTL_{LOW} logic "0" at least 2 ms before AC Power Fail: 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

Up to 85% Efficiency:

MTBF: MIL-STD-HDBK 217E

>200,000 hours @ 25°C Highly Accelerated Life Testing

Available Voltage Outputs*

Voltage Codes	Voltages (Volts)	Continuous Current (Amps)
-2	3.3	30
-3	5.0	30
-4	12.0	12.5
-5	15.0	10.5
-6	24.0	6.5
-7	28.0	5.5
-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:

VOLTAGE CODE OPTION CODES (See sheet 2) **MODEL**

V1 **PAM150** ABC.... X

Example: Part Number PAM150-6-CK= 150W Power Factor Corrected, 24V @ 6.5A with a fan assembly and a Molex connector.



TAM⊎RÁ Corporation of America

Model M150

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)

Droop Current Share ±10% (B) DC OK Invert (E) Field-Configurable (G)

Square Current Limit (J) Metric Mounting (M) Remote On/Off (R)

Certifications

NRTL* * * Recognition to UL60601-1 CSA C22.2 No. 601-01 BAUART Certification to EN60601-1

CB Test Report in Accordance with IEC60601-1 CE Declaration to Low Voltage Directive 72/23/EEC

Compliance

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"

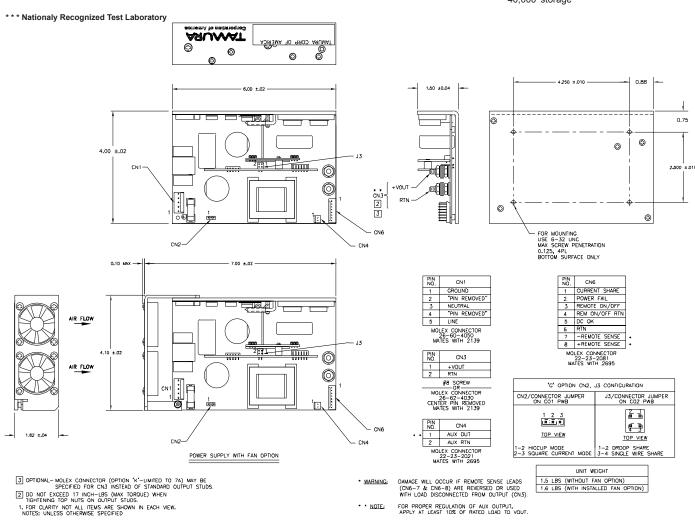
0 to 70°C; rated power to 50°C Operating Temp:

derate linearly to 50% at 70°C.

Relative Humidity: 5% to 90%, non-condensing

-50 to 85°C/20-90% RH Storage: Altitude: 10,000' operating;

40,000' storage



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FOR PROPER REGULATION OF AUX OUTPUT, APPLY AT LEAST 10% OF RATED LOAD TO YOUT

