

TAMURA Corporation of America

Model

PAM250

250 Watts_{max} output power

Power Factor Correction

Single Output

Switch Mode Power Supply



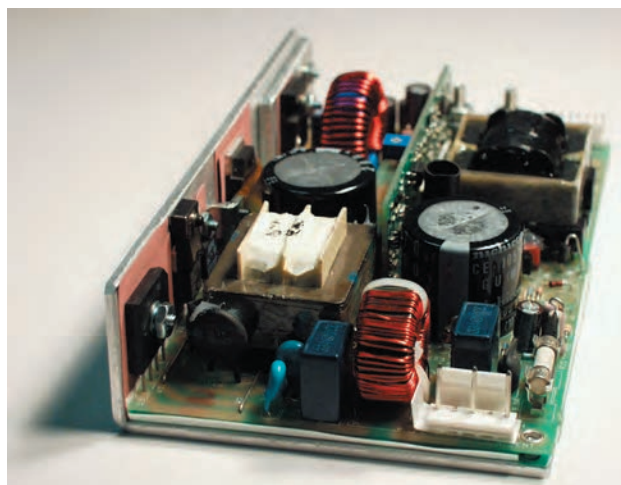
Medical Grade
Certifications

H.A.L.T.
TESTED

Highly
Accelerated
Life
Testing

Electrical Specifications

| | |
|----------------------|--|
| Input Voltage: | 85-132/180-264 VAC, 47-63 Hz, 1 phase |
| Input Current: | <6A RMS @ 115 VAC @ full load <3A RMS @ 230 VAC @ full load |
| Inrush Current: | <35A, pk @ 265 VAC @ cold start <75A, pk @ 132 VAC @ cold start |
| 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, 8A |
| Output Power: | 250W with 25CFM air; 130W Convection |
| Line Regulation: | ± 0.3% |
| Load Regulation: | ± 0.5% |
| PARD: | <1% or 50mV; 20MHz bandwidth |
| Hold-up Time: | 16 ms @ full load (120 VAC) |
| Output Polarity: | Output is floating |
| 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 |
| Leakage Current: | < 300 μA |



| | |
|----------------------|---|
| 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 _{LOW} 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 |

Available Voltage Outputs*

| Voltage Codes | Voltages (Volts) | Continuous Current (Amps) |
|---------------|------------------|---------------------------|
| -4 | 12.0 | 21 |
| -5 | 15.0 | 17 |
| -6 | 24.0 | 10.5 |
| -7 | 28.0 | 9.0 |
| -8 | 36.0 | 7.2 |
| -9 | 48.0 | 5.5 |

* Consult factory for other voltages and OEM quantities.

Note: Standard models are shown **bold**

PART # STRUCTURE:

MODEL - **VOLTAGE CODE** - **OPTION CODES** (back)

- **V1** -

PAM250 - **X** - **ABC....**

Example: Part Number **PAM250-6-OR**= 250W Power Factor Corrected, 24V @ 10.5A with an OR-ring Diode and Remote On/Off.

See 3rd page for PAM250 CODE TABLE AND AVAILABLE OPTIONS.

Model

PAM250

Options (code)

12V@0.5A Aux./Fan Drive (A) Droop Current Share $\pm 10\%$ (B)
 Fan Assembly (C) DC OK Invert (E)
 PF Invert (F) Field-Configurable (G)
 Single Wire Current Share $\pm 5\%$ (I) Square Current Limit (J)
 Molex Connector (K) Metric Mounting (M)
 OR-ing Diode (O) Remote On/Off (R)
 Remote On/Off Invert (S)

GUZYmi7 ca d'JubWY

Recognition to 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 Directive 2006/95/EC

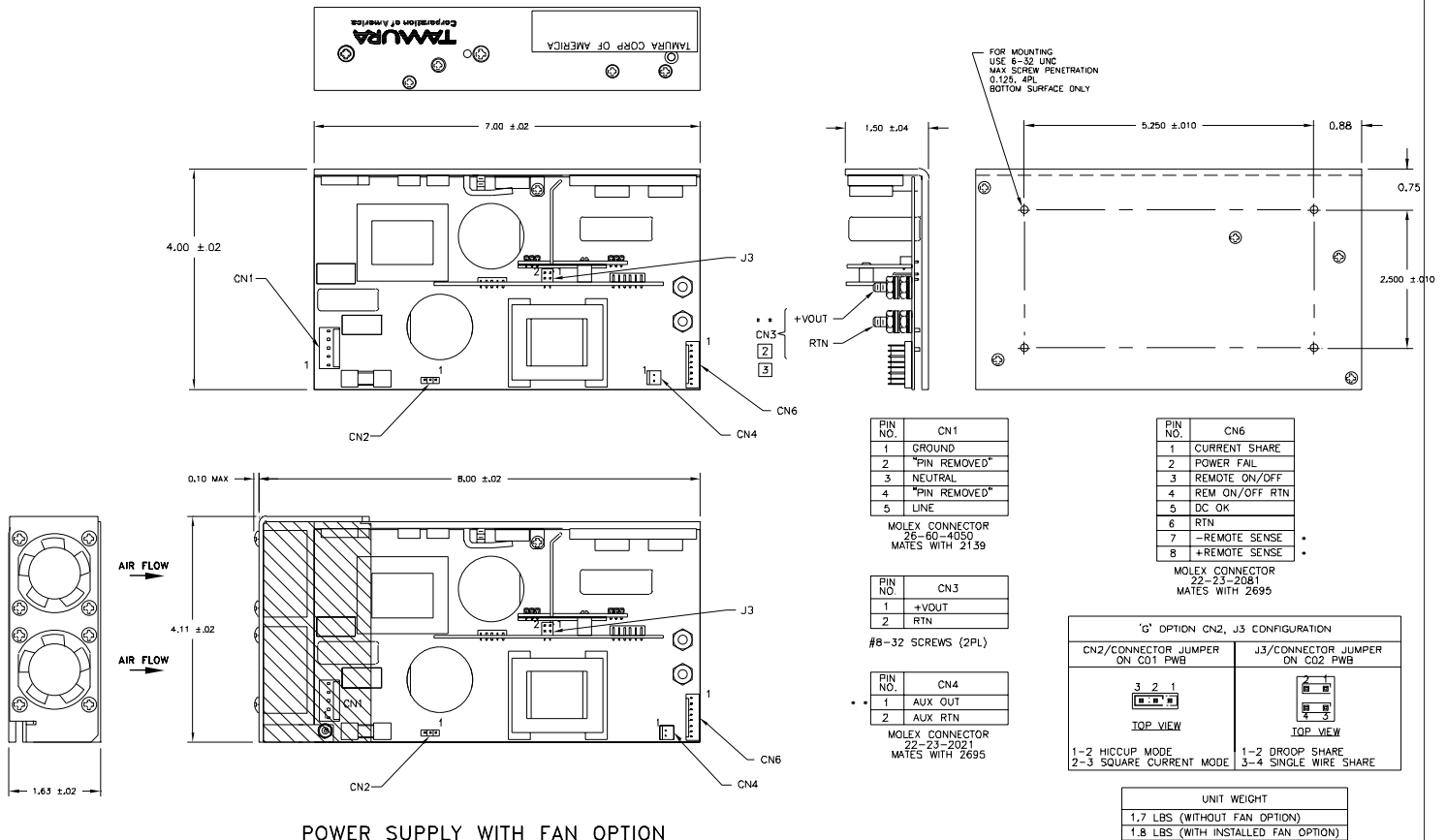


Surge & ESD Test Levels

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 7"
 Operating Temp: 0 to 70°C; rated power to 50°C
 derate linearly to 50% at 70°C.
 Relative Humidity: 5% to 90%, non-condensing
 Storage: -50 to 85°C/20-90% RH
 Altitude: 6561
 40,000' storage



- [3] OPTIONAL—MOLEX CONNECTOR (OPTION 'K'—LIMITED TO 7A) MAY BE SPECIFIED FOR CN3 INSTEAD OF STANDARD OUTPUT STUDS.
 [2] DO NOT EXCEED 17 INCH-LBS (MAX TORQUE) WHEN TIGHTENING TOP NUTS ON OUTPUT STUDS.
 1. FOR CLARITY NOT ALL ITEMS ARE SHOWN IN EACH VIEW.

- * **WARNING:** DAMAGE WILL OCCUR IF REMOTE SENSE LEADS (CN6-7 & CN6-8) ARE REVERSED OR USED WITH LOAD DISCONNECTED FROM OUTPUT (CN3).
 ** **NOTE:** FOR PROPER REGULATION OF AUXILIARY OUTPUT, APPLY AT LEAST 10% OF RATED LOAD TO VOUT.



PAM250 Series Power Supply

Standard Models
PAS250-X-Y₁ ... Y_n

Tailored Models
PAS250-60ZZZ

Custom Models
PAS250-61ZZZ

| | Voltage and Current Ratings | | Standard Options | |
|---------|-----------------------------|------|---|--|
| X Codes | Volts | Amps | Y Code Descriptions | |
| 1 | Not Available | | <div>A 12Vdc, 0.5A Auxiliary Output**</div> <div>B Droop Share*</div> <div>C Fan Assembly**</div> <div>E DCOK Invert</div> <div>F PF Invert</div> <div>G Field configurable options – B, I, and J</div> <div>I Single Wire Share*</div> <div>J Square Current Limit</div> <div>K Molex Connector, 7A max. (#8 stud standard)</div> <div>M Metric Mounting</div> <div>O ORing Diode</div> <div>R Remote On/Off (closed is OFF)</div> <div>S Remote On/Off Invert (open is OFF)</div> <div>*Includes Option J</div> <div>**Options A and C are not available together</div> | |
| 2 | Not Available | | | |
| 3 | Not Available | | | |
| 4 | 12.0 | 21.0 | | |
| 5 | 15.0 | 17.0 | | |
| 6 | 24.0 | 10.5 | | |
| 7 | 28.0 | 9.0 | | |
| 8 | 36.0 | 7.2 | | |
| 9 | 48.0 | 5.5 | | |
| | | | 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 | |

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com