

TANNURÁ Corporation of America

Model

AAD600S

600 Watts_{max} output power

Power Factor Correction

Single Output

Electrical Specifications

Input Voltage: 85-264 VAC, 47-63 Hz

Input Current: <6.5A RMS @ 115 VAC @ full load <3.5A RMS @ 230 VAC @ full load

9.0A RMS @ 85 VAC @ full load

Inrush Current: <20A, pk @ 110 VAC, active soft start

<40A, pk @ 220 VAC, active soft start (Active independant of cold or warm start)

Power Factor: >0.99 @ full load @ 230VAC input

Harmonic Distortion: Meets IEC1000-3-2

EMI Filtering: Meets CISPR 11 and 22 and FCC Part 15

Class B (conducted)

Input Protection: Internal AC line fuse; 250 VAC, 10A

Surge Withstand: Meets EN61000-4-4 Level 3

and EN61000-4-5 Level 3

Output Power: Up to 600W continuous

Line Regulation: $\pm 0.1\%$ Load Regulation: $\pm 0.25\%$

PARD: <1% or 250mV

20MHz bandwidth

Hold-up Time: >16 ms @ full load

Output Polarity: Output is floating

Minimum Load: None

Transient Response: 2% for 25% load change @ 1A/µs

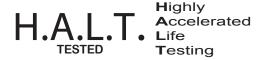
Output Rise Time: <100 ms (10% to 90%)

Remote Sense: Standard

Current Share: Within 5%

 $\begin{array}{ll} \mbox{Remote On/Off:} & \mbox{Ground or TTL}_{\mbox{LOW}} = \mbox{OFF} \\ \mbox{Open or TTL}_{\mbox{HIGH}} = \mbox{ON} \\ \end{array}$

Switch Mode Power Supply





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

output drops 5% (without signal jitter).

Open collector.

DC OK: Open collector when output voltage is above

95% of rated

Overcurrent/Short Circuit: Square current limit; 105-130% of rated

Overvoltage Protection: Factory set, 125% ±5%

cycle AC to reset

Reverse Voltage: Reverse current up to rated outputs

Thermal Protection: Auto off; auto reset upon cool down

Efficiency: Up to 92%

MTBF: MIL-STD-HDBK 217E

200,000 hours @ 25°C, ground benign,

Highly Accelerated Life Testing

Available Voltage Outputs*

Voltage Codes	Voltages (Volts)	Continuous Current (Amps)
-4	12	42
-5	15	36
-6	24	23
-7	28	20
-8	36	16
-9	48	12.5

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

PART # STRUCTURE:

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

- V1 -

AAD600S - X - ABC...

Example: Part Number <u>AAD600S-8-CF</u> = 600W Power Factor Corrected, 36V @ 16A with sealed pots and overcurrent foldback mode.



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Options (code)

DC OK Invert (U) Metric Mounting (M) OR-ing Diodes (O) Droop Current Share (A) Gold Plated Signal Connector (G) Sealed Pots (C)

PF Invert (B) Remote On/Off Invert (S) Overcurrent Hiccup Mode (D) Overcurrent Latch-off Mode (E) Overcurrent Foldback Mode (F) Standby Power (5VDC @ 1A) (P)**

**Voltage available as long as AC input is present

Certifications

NRTL*** to UL60950-1, CSA C22.2 60950-1-03 BAUART Certification to EN60950-1 CB Test Report in Accordance with IEC60950-1 CE Declaration to Low Voltage Directive 72/73/EEC

*** Nationally Recognized Test Laboratory



Compliance

EN61000-4-5 Level 3 EN61000-4-2 Level 2

EN61000-3-2 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

1.59" x 4" x 9" Dimensions: (HxWxL)

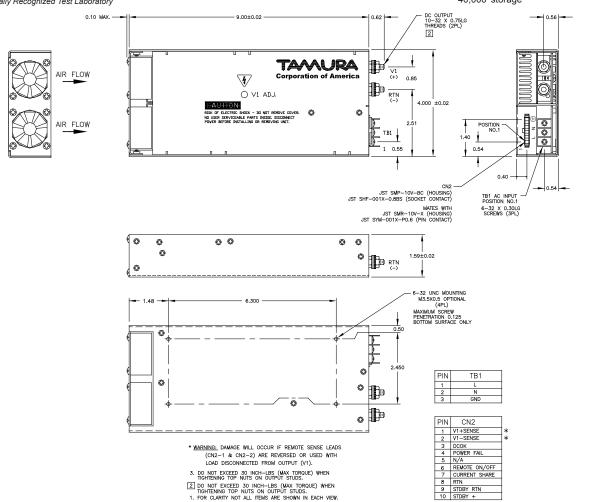
0 to 70°C; rated power to 50°C Operating Temp:

derate linearly to 50% at 70°C.

Relative Humidity: 5% to 90%, non-condensing Storage: -50 to 85°C/20-90% RH

Altitude: 6,561' operating;

40,000' storage



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