TAMURA Corporation of America

Miniature Switch Mode Power Supply

Model 7160 160 Watts output power

Power Factor Correction

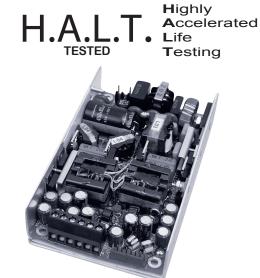
Parallel/Redundant Operation

Up to 88% Efficiency

Electrical Specifications

Input Voltage:	90-264 VAC, 47-63 Hz						
Input Current:	<2A RMS @ 115 VAC @ full load <1A RMS @ 230 VAC @ full load						
Inrush Current:	<35A, pk @ 132 VAC @ cold start <75A, pk @ 264 VAC @ cold start						
Power Factor:	>0.98 @ full load @ 115/230VAC input						
Harmonic Distortion:	Meets EN61000-3-2						
EMI Filtering:	Meets CISPR 11 and 22 and FCC Part 15 Class B (conducted)						
Input Protection:	Internal AC line fuse; 250 VAC, 4.0A						
Surge Withstand:	Meets EN61000-4						
Output Power:	160W with 20CFM air; 80W Convection cooled (consult factory for current ratings)						
Line Regulation:	± 0.3%						
Load Regulation:	± 1% for V1 and V2 ± 7% for V3; ± 5% for V4						
PARD:	Greater of 1% or 50mV 20MHz bandwidth						
Hold-up Time:	>20 ms @ full load						
Turn-on Delay:	<2 seconds						
Output Polarity:	See Voltage Chart						
Minimum Load:	10% for V1 and V2 5% for V3 and V4						
Transient Response:	Greater of 150mV or 3% for 25% load change @ 1A/µs (V1 and V2)						
Available Voltage Outpute*							

Availabl



	Meets CISPR 11 and 22 and FCC Part 15	Output Rise Time:	<100 ms (10% to 90%)		
	Class B (conducted)	Remote Sense:	Standard on V1 and V2		
on:	Internal AC line fuse; 250 VAC, 4.0A		Up to 400mV of cable drop		
ind:	Meets EN61000-4	AC Power Fail:	TTL _{LOW} logic "0" at least 5 ms before DC output drops 5% (without signal jitter). <10mA sink current for Power Fail "0". <1mA source current for Power Fail "1".		
:	160W with 20CFM air; 80W Convection cooled (consult factory for current ratings)				
on:	± 0.3%	Overshoot/Undershoot:	<5% overshoot with remote sense at output		
on:	± 1% for V1 and V2		terminals		
	± 7% for V3; ± 5% for V4	Current Share (option):	Load currents of V1 and V2 for similar units can be shared @ $<\pm5\%$ of total load		
	Greater of 1% or 50mV				
	20MHz bandwidth	Overvoltage Protect:	Factory set, 125% \pm 5% on V1 and V2 cycle AC to reset		
	>20 ms @ full load				
<i>r</i> :	<2 seconds	Short Circuit Protection:	All outputs are auto recovery		
y:	See Voltage Chart	Reverse Voltage:	Reverse current up to rated outputs		
	10% for V1 and V2	Case Power Protection:	Standard operation interrupt (hiccup mode)		
	5% for V3 and V4	Efficiency:	Up to 88%		
ponse:	Greater of 150mV or 3% for 25% load change @ 1A/µs (V1 and V2)	MTBF:	MIL-STD-HDBK 217E >200,000 hours @ 25°C		
le Volta	<u>qe Outputs</u> *		Highly Accelerated Life Testing		

Voltage Codes	V1 Voltages (Volts)	V1 Currents (Amps)	V2 Voltages (Volts)	V2 Currents (Amps)	V3 Voltages (Volts)	V3 Currents (Amps)	V4 ^{**} Voltages (Volts)	V4 Currents (Amps)
-1	+1.8	16	+1.8	14	+1.8	3	-1.8	2
-2	+3.3	16	+3.3	14	+3.3	3	-3.3	2
-3	+5	16	+5	14	+5	3	-5	2
-4	+12	6	+12	6	+12	3	-12	2
-5	+15	5	+15	5	+15	2.5	-15	2
-6			+24	3	+24	1.75	-24	1.5
-7			+28	2.5	+28	1.5	-28	1
-8			+36	2	+36	1.5	-36	1
-9			+48	1.5	+48	1	-48	1

* Consult factory for other voltages and OEM quantities.

** Standard Polarity for V4 is negative (-). V4 is available with positive polarity as a Tailored or Custom model.

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Note: Standard models are 3244, 3255, 3264, 3404 and 3464

PART # STRUCTURE:

- MODEL
- V1 V2 V3 V4

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

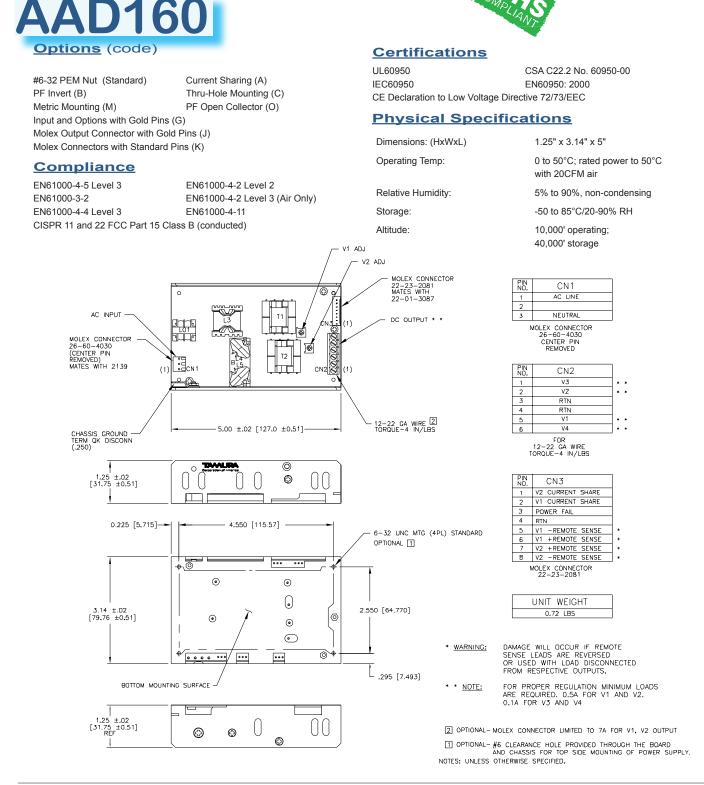
AAD160 XXXX . . ABC

Example: Model Number AAD160-3244-AM = 160W Power Factor Corrected, (V1) +5V @ 16A, (V2) +3.3V @ 14A, (V3) +12V @ 3A and (V4) -12V @ 2A with Current Sharing and Metric Mounting.



Model

ANURA Corporation of America



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