

60W Open Frame Dual Output NAD-601X series



Feature:

- 90 to 264Vac universal input range.
- Meet(Approval) UL/CUL, TUV.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 60Watts in 127×76.2×36.5mm Size.
- 2 Year Warranty.

Specifications: typical at nominal line, full load at 25 ° C.

Input Specifications:	General Specifications:
Input voltage: 90 to 264Vac	Efficiency: 70% typical at full load
Input Frequency: 47 Hz to 63Hz	Hold-up time: 15ms @ 115Vac full load
Input inrush current: 20A at 115Vac 40A at 230Vac	EMI/RFI: VDE & FCC Class B limits
Earth leakage: 0.2mA max @ 115Vac 0.4mA max @ 230Vac	Dielectric Withstand: Input/output: 3000Vac Input/Ground: 1500Vac
Output Specifications:	*Safety Meet(Approval): UL/CUL UL60950 TUV EN60950
Output Rating: See Selection table	
Output Voltage Accuracy : ± 5% max.	Switching frequency: 20kHz(reference)
Line Regulation: ± 1% max.	Weight: 350g
Load Regulation: ± 3% max. (Full to half load)	MTBF: 100,000hours(MIL-HDBK-217F)
Transient Response: ± 1% max.dev. (Full to half load) 500uS recovery	Environmental Specifications:
Temperature Coefficient: ± 0.04% / °C	Operating temperature: 0 to +50°C
Ripple & Noise: 2% P-P max	Storage temperature: -20 to +85°C
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	Humidity: 5 to 95 % RH non-condensing
	Vibration: 2.4G , 5 to 500Hz
	Cooling: Free air convection

Note:

1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
 2. Maximum output power is 60W.
 3. At least 20% of load is required to obtain stable regulation.
 4. Ripple & noise test method is measured at output terminal across a 0.1uF ceramic cap & a 10uF tantalum or electrolytic cap in parallel with a 20MHz bandwidth oscilloscope directly.
 5. Peak current less than 60 Sec. & output voltage can't be drawn out of window at same time.
- ★ Please refer the safety approval status on appendix 1, For latest safety approval status Please consult YCL or visit" www.ycl.com.tw"

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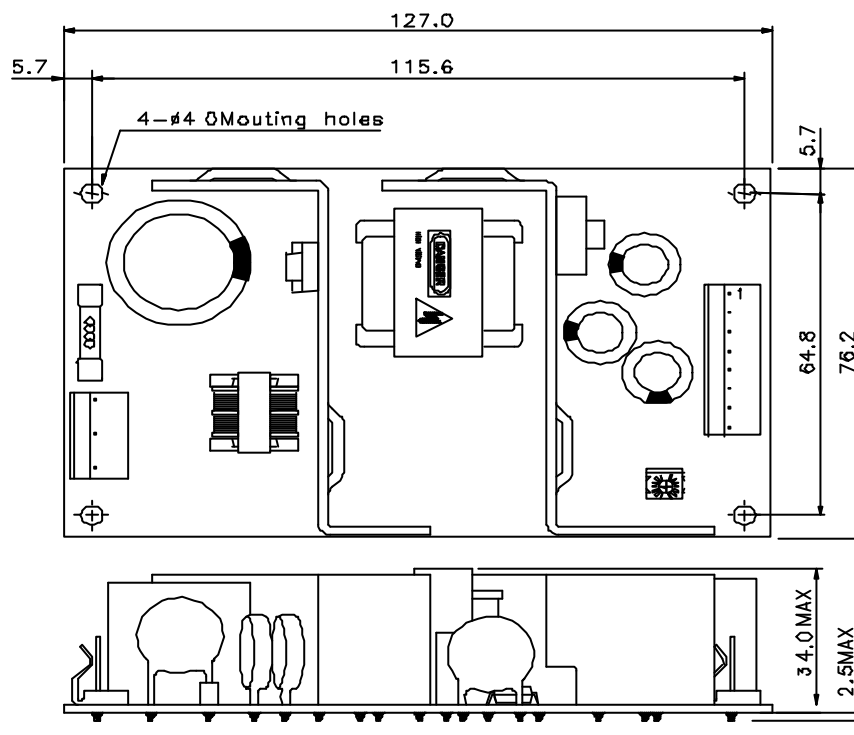
Model Selection Table:

Model No.	Vo1		Vo2		Max. Power
	V/A	PEAK	V/A	PEAK	
NAD-6012	+5V/8A	10A	+12V/1.5A	2A	60W

Note:

1. Other output voltage versions available. Please Consult factory for details.

Dimensions: mm \pm 0.5mm



DC Output Pin Functions	
Pin 1	Vo2
Pin 2,3,4	Vo1
Pin 5,6,7,8	COM

- DC output mating connector is Molex 09-65-2088, Ever 8673-08 or equivalent.
- AC input mating connector is Molex 5096-03C, Ever 8673-05N2,4 or equivalent.