## **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  $127 \times 76.2 \times 36.5$ mm Size.
- 2 Year Warranty.

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

become the first of the first o					
Input Specifications:	General Specifications:				
Input voltage: 90 to 264Vac	Efficiency: 70% typical at full load				
<b>Input Frequency</b> : 47 Hz to 63Hz	<b>Hold-up time:</b> 15ms @ 115Vac full load				
Input inrush current: 20A at 115Vac	EMI/RFI: VDE & FCC Class B limits				
40A at 230Vac	Dielectric Withstand:				
Earth leakage: 0.2mA max @ 115Vac	Input/output: 3000Vac				
0.4mA max @ 230Vac	Input/Ground: 1500Vac				
Output Specifications:	<b>★Safety Meet(Approval):</b>				
Output Rating: See Selection table	UL/CUL UL60950				
Output Voltage Accuracy ( 150/ may	TUV EN60950  Switching frequency: 20kHz(reference)				
Output Voltage Accuracy: $\pm 5\%$ max.	Switching nequency. 20k112(reference)				
<b>Line Regulation:</b> ± 1% max.	Weight: 350g				
<b>Load Regulation:</b> ± 3% max.	<b>MTBF:</b> 100,000hours(MIL-HDBK-217F)				
(Full to half load)					
<b>Transient Response:</b> ± 1% max.dev.	Environmental Specifications:				
(Full to half load) 500uS recovery	<b>Operating temperature:</b> 0 to +50°C				
<b>Temperature Coefficient:</b> $\pm 0.04\%$ / $^{\circ}$ C	Storage temperature: -20 to +85°C				
<b>Ripple &amp; Noise:</b> 2% P-P max	<b>Humidity:</b> 5 to 95 % RH non-condensing				
<b>Protections:</b> a. Over voltage protection	<b>Vibration:</b> 2.4G , 5 to 500Hz				
b. Over power protection c. Short circuit protection	Cooling: Free air convection				
BT .					

#### 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 drown 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" <a href="www.ycl.com.tw">www.ycl.com.tw</a>"

Date: Sep 19,2003 15



# **60W Open Frame Dual Output NAD-601X series**



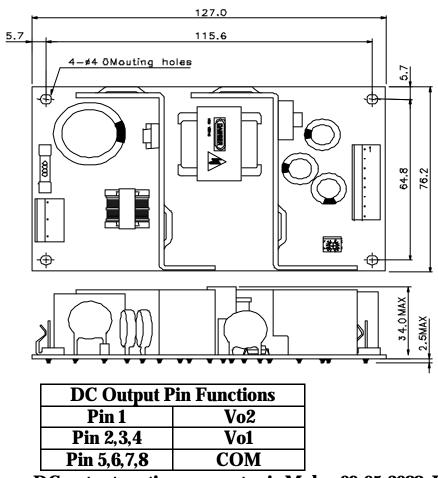
### Model Selection Table:

Model No.	Vo1		Vo2		Max.
	V/A	PEAK	V/A	PEAK	Power
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 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.

15Ø 9001