

Open Frame 3x5

Application Notes

ANZ#: Z045a, March 25, 2002

UPN100-xx Series With Active PFC, Switcher Power	
Total Power	100Watts
Input Voltages	90-264 VAC
Number of Outputs	One to Two

SPECIAL FEATURES

- Low profile with 38mm max. height
- Active PFC, EN61000-3-2 compliance
- Regulated output
- EMI filter built in
- Overload and short circuit protection

ELECTRICAL SPECIFICATIONS

Input range	90 to 264 VAC, Full range
Frequency	47 to 63 Hz
Inrush current	50.0 Amps maximum at both 115/230VAC
Input current	3.0Amps maximum at both 115/230VAC
Efficiency	78% typical at 120VAC and maximum load
EMI filtering	FCC part 15J class B, CISPR 22 class B
Maximum power	100W
Voltage regulation	±3%
Hold up time	Half cycle minimum at 120 VAC and 80% of rated load
Protection	Overload protection Short circuit and overload protection: output short circuit, auto recovery

ENVIRONMENTAL

Operating temperature:	0 to 65 °C
Storage temperature:	-20 to 85 °C
Humidity (Non-Condensing):	5% to 95%
Cooling:	15CFM forced air
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions

SAFETY

UL1950
CSA
TUV EN60 950
CB



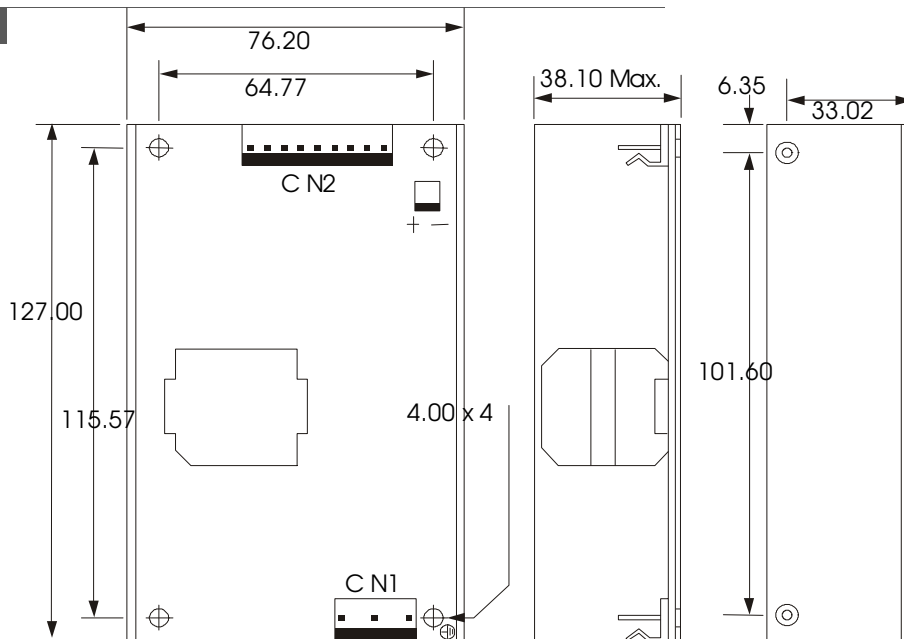
ORDERING INFORMATION

Model #	+3.3V	+5.0V	+12.0V	+24V	+48.0V
UPN100-3.3V	20.0A				
UPN100-5V		20.0A			
UPN100-12V			8.3A		
UPN100-24V				4.2A	
UPN100-48V					2.1A
UPN100-3.3V-5V	20.0A	0.5A			
UPN100-5V-12V		20.0A	0.5A		

1. Unit can run at ambient temp. of 65 Deg. C with derating.
2. Ripple peak-to-peak with 20MHz bandwidth and a capacitor, 47uF/50V, cross-connected at testing point.

MECHANICAL DRAWINGS

AC Input: Molex p/n 09-65-2038 or equivalent
DC Output: Molex p/n 09-65-2068 or equivalent



1. Specification subject to change without notice.
2. All dimensions are in mm.