

# Open Frame 3x5

# Product Specifications

PTHXXXXX / UPN65-xx Series

Switch-Mode Power Supply

ANZ#: Z044a, March 25, 2002

Total Power	65Watts
Input Voltages	90-264 VAC
Number of Outputs	One to Three

## SPECIAL FEATURES

- Low profile with 43mm max. height
- Universal AC input
- Regulated output
- EMI filter built in
- Overload and short circuit protection

## ELECTRICAL SPECIFICATIONS

Input range	90 to 264 VAC
Frequency	47 to 63 Hz
Inrush current	50.0 Amps maximum at both 115/230VAC
Input current	1.7Amps maximum at both 115/230VAC
Efficiency	70% typical at 120VAC and maximum load
EMI filtering	FCC part 15J class B, CISPR 22 class B
Maximum power	65W
Voltage regulation	±3% @constant voltage mode
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 50 ° C
Storage temperature:	-20 to 85 ° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	10CFM forced air
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions

## SAFETY

UL/cUL	UL1950
CSA	CSA22.2
TUV	TUV EN60950
CE	



## ORDERING INFORMATION

Model #	+3.3V	+5.0V	+6.0V	+9.0V	+12.0V	+15.0V	+18.0V	+24.0V	-5.0V	-12.0V	-15.0V	+7.5V	-18.0V
PTH05130		13.0A											
PTH12055					5.5A								
PTH15045						4.5A							
PTH24027								2.7A					
PTH65201		6.0A			3.6A								
PTH65301		6.0A			2.5A					0.5A			
UPN65-31	10.0A	10.0A			1.0A*								
UPN65-32		10.0A			5.0A					1.0A			
Regulation	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±10%	±3%	±3%	±3%
Ripple Noise	50mV	50mV	75mV	100mV	120mV	150mV	180mV	240mV	50mV	120mV	150mV	75mV	180mV

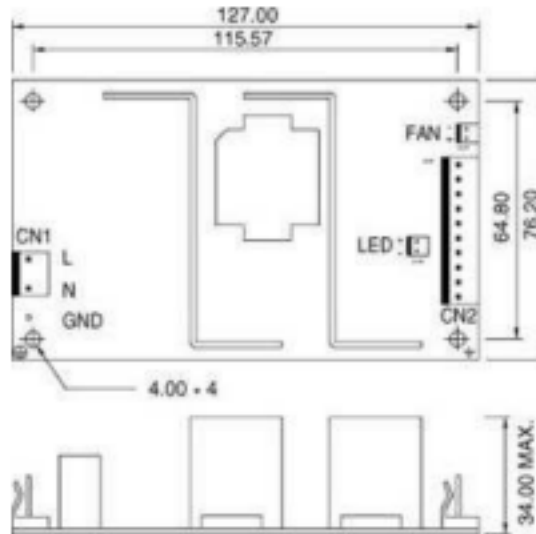
1. Unit can run at ambient temp. of 65 Deg. C with 10CFM of air flow.
2. For UPN65-xx, the maximum output power can not exceed 65W.
3. Ripple peak-to-peak with 20MHz bandwidth and a capacitor, 47uF/50V, cross-connected at testing point.
4. +12V ripple noise at ±10%



## MECHANICAL DRAWINGS

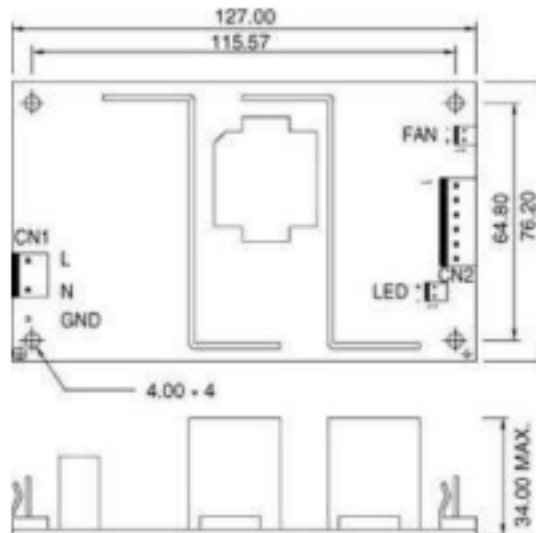
AC Input:  
Molex p/n. 09-65-2038 or equivalent

DC Outputs:  
Single output:  
Molex p/n. 09-65-2108 or equivalent



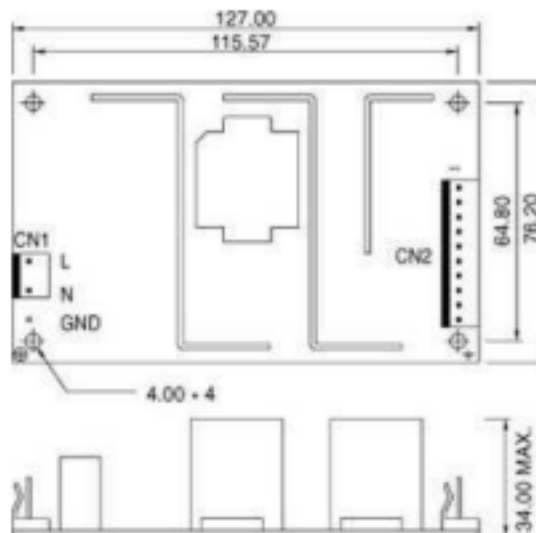
Single Output

Multiple outputs:  
Molex p/n. 09-65-2168 or equivalent



Multiple Output

UPN65-xx:  
Molex p/n. 09-65-2108 or equivalent



UPN65-xx

1. Specification subject to change without notice.
2. All dimensions are in mm.
3. Weight: 0.378 lb/ 0.172 kg