

# Open Frame 2x4

# Product Specifications

ANZ#: Z126, January 19, 2006

VNS65 Series Switch-Mode Power Supply	
Total Power	65Watts
Input Voltages	90-264 VAC
Number of Outputs	Three

## SPECIAL FEATURES

- Industrial Standard 2 x 4 open frame
- Universal AC input
- Regulated output
- EMI filter built in
- Overload and short circuit protection
- EN61000-3-2 Class D compliant

## ELECTRICAL SPECIFICATIONS

Input range	90 to 264 VAC & 120 – 370VDC
Frequency	47 to 63 Hz or DC
Inrush current	25.0 @ 115VAC/50A @ 230VAC max. (cold start)
Input current	1.33Amps maximum at 115VAC
Input Leakage	< 750uA maximum @ 264VAC
Efficiency	72-84% typical (vary depends on models)
EMI filtering	FCC 68 part 15 Class B with external line filter
Maximum power	65W
Voltage regulation	±3% @constant voltage mode
Hold up time	Half cycle min. at 120 VAC and 80% of rated load
Protection	Short circuit protection: Continuous Over Load Protection: 125-150%, auto-recovery

## ENVIRONMENTAL

Operating temperature:	0 to 50 °C
Storage temperature:	-20 to 85 °C
Humidity (Non-Condensing):	5% to 95%
Cooling:	See model chart
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
CB	EN60950
CE	



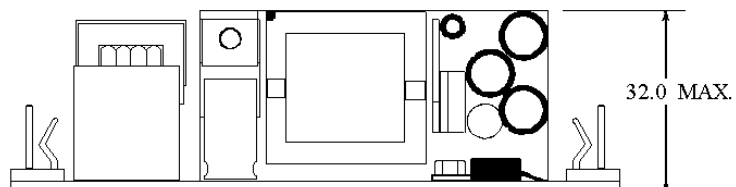
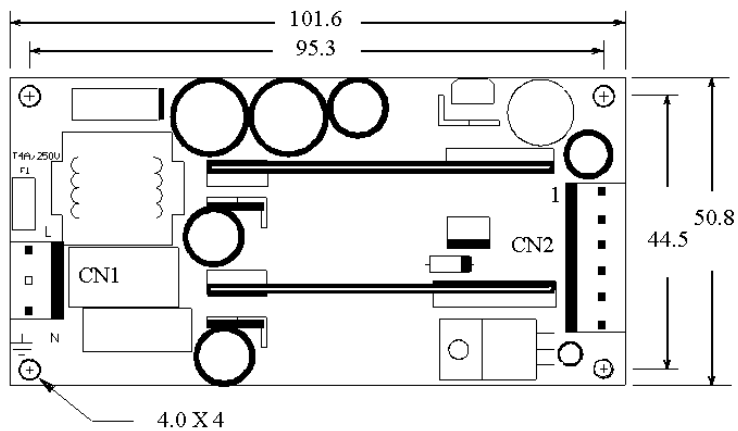
## ORDERING INFORMATION

MODEL	VNS65-31	VNS65-32	VNS65-33	VNS65-34	VNS65-35	VNS65-36	VNS65-37	VNS65-38
Output-A	+3.3V/8A	+5V/8A	+3.3V/8A	+5V/8A	+3.3V/8A	+5V/8A	+3.3V/8A	+3.3V/8A
Output-B	+5V/4A	+12V/3A	+12V/3A	+24V/1.5A	+24V/1.5A	+15V/2.5A	+15V/2.5A	+5V/4A
Output-C	-12V/0.5A	-12V/0.5A	-12V/0.5A	-12V/0.5A	-12V/0.5A	-15V/0.5A	-15V/0.5A	+12V/0.5A

## MECHANICAL DRAWINGS

AC Input:  
Molex p/n. 26-48-1035 or equivalent or equivalent  
CN1-1 Line  
CN1-2 Neutral

DC Outputs:  
Molex p/n. 26-48-1065 or equivalent or equivalent  
CN2-1 V1  
CN2-2 V2  
CN2-3 RTN  
CN2-4 RTN  
CN2-5 V2  
CN2-6 V3



VNS

UNIT: MM