

Open Frame 2x4

Product Specifications

ANZ#: Z125, January 19, 2006

VNR65 Series Switch-Mode Power Supply

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

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	Convection Cooled Operation	10 DFM Airflow Operation	Efficiency
VNR65-3.3V	3.3VDC @ 4.0 Amps	3.3VDC @ 10 Amps	72% (typical)
VNR65-5V	5.0VDC @ 4.0 Amps	5.0VDC @ 10 Amps	78% (typical)
VNR65-12V	12VDC @ 2.85 Amps	12VDC @ 5.5 Amps	81% (typical)
VNR65-24V	24VDC @ 1.89 Amps	24VDC @ 2.7 Amps	83% (typical)
VNR65-48V	48VDC @ 0.95 Amps	48VDC @ 1.35 Amps	84% (typical)

MECHANICAL DRAWINGS

AC Input:
Molex p/n. 26-48-1035 or equivalent or equivalent

DC Outputs:
Molex p/n. 26-48-1045 or equivalent or equivalent
CN2-1 V1
CN2-2 V2
CN2-3 GND
CN2-4 GND

