

Medical Series

Product Specifications

ANZ#: Z127, January 20, 2006

VNRM65 Series – 2 x 4 Open Frame 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 w/ dual fuse protection
- Class I/Class II, no safety ground required.
- Built-in EMI filter, Class B compliant
- 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	< 300uA maximum @ 264VAC
Efficiency	72-84% typical (vary depends on models)
EMI filtering	FCC part 15 Class B
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	UL60601
CSA	CSA22.2 No. 60601-1
CB	IEC60601-1
CE	LVD



ORDERING INFORMATION

Model	Convection Cooled Operation	10 CFM Airflow Operation	Efficiency	Total Power
VNRM65-3.3V	3.3VDC @ 4.0 Amps	3.3VDC @ 10 Amps	72% (typical)	33-Watts
VNRM65-5V	5.0VDC @ 4.0 Amps	5.0VDC @ 10 Amps	78% (typical)	50-Watts
VNRM65-12V	12VDC @ 2.85 Amps	12VDC @ 5.5 Amps	81% (typical)	65-Watts
VNRM65-24V	24VDC @ 1.89 Amps	24VDC @ 2.7 Amps	83% (typical)	65-Watts
VNRM65-48V	48VDC @ 0.95 Amps	48VDC @ 1.35 Amps	84% (typical)	65-Watts

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

