

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

