



MWA065 Class II

65 Medical Desktop Power Supply

- Now Available!
- High Efficiency: Level V
- High Power Density 4.9W/in³
- Lifetime Expectation >5 years
- Hold-up Time >25ms at full load
- EISA, CEC Compliant
- Medical Approval - EN60601-1 Class II

| Elpac Part Number | Output Voltage | Output Current | Peak Current | Total Regulation | Typical Efficiency |
|-------------------|----------------|----------------|--------------|------------------|--------------------|
| MWA065009B-11A | 9.0V | 8.0A | 9.6A | ±5% | 85% |
| MWA065012B-11A | 12.0V | 6.0A | 7.2A | ±5% | 88% |
| MWA065015B-11A | 15.0V | 4.8A | 5.7A | ±5% | 89% |
| MWA065018B-11A | 18.0V | 4.0A | 4.8A | ±5% | 90% |
| MWA065024B-11A | 24.0V | 3.0A | 3.6A | ±5% | 91% |

Input

| | |
|-----------------------------|----------------------------------|
| Input Voltage | 85 - 264VAC 100 - 240VAC Nominal |
| Input Frequency | 47 - 63Hz |
| Input Current | <1.5A rms |
| Inrush Current | <37A at 230VAC cold start |
| Zero Load Power Consumption | <0.5W |

Output

| | |
|-----------------------------|--|
| Output Voltage | See Table |
| Total Regulation | +/-5% |
| Minimum Load | No minimum load required |
| Start-Up Delay | <750ms |
| Hold-Up Time | >25ms at any input voltage |
| Ripple & Noise | <1% pk-pk * |
| Over Voltage Protection | 110-135% |
| Over Temperature Protection | Active - Recoverable; plus Passive - Non Recoverable |
| Over Current Protection | 120 - 180% |
| Short Circuit Protection | shutdown, auto-restart (hiccup mode) |

General

| | |
|---------------|---|
| Efficiency | Avg Efficiency 88.2% @ 115VAC; 89.7% @ 230VAC |
| MTBF | min. 200,000 hours demonstrated |
| Size | 5.02" (127.6mm) x 2.20" (55.9mm) x 1.37" (34.8mm) |
| Weight | 1.3 lbs (.59 kg) |
| Power Density | 4.9W/in ³ |

Environmental

| | |
|-----------------------|---|
| Operating Temperature | 0 – 60°C (Full load to 40°C, derate linearly to 50% load at 60°C) |
| Storage Temperature | -40°C to +85°C |
| Relative Humidity | 5-95%, non-condensing |
| Cooling | Natural Convection |
| Vibration | All units production tested to 19.6m/s ² |

EMC & Safety

Emissions FCC class B, CISPR11 class B EN61000-3-2, -3

Immunity EN61000-4-2, -3, -4, -5, -6, -8, -11

Certified by: cTUVus



UL 60601-1

CAN/CSA-22.2 No.601.1-M90

CB per IEC60601-1

CE marked to LVD

Input Configuration

Standard Input Cable Not Provided

Connection on Power Supply Body IEC 320 C8 Receptacle

Output Configuration (9V)

Standard Output Cable 4 ft.

Cord Size 2x16awg

Connector (PSU side) Switchcraft DIN-5, P/N 05GM5MX (male pins)

Mating Connector Switchcraft 57GB5FX (5 pin) or equivalent

Output Configuration (12V, 18V, 24V)

Standard Output Cable 6 ft.

Cord Size 2x16awg

Connector (PSU side) Switchcraft DIN-5, P/N 05GM5MX (male pins)

Mating Connector Switchcraft 57GB5FX or equivalent

