

MVC65 Series

Single output 55W to 65W Medical AC/DC external adapters

M-Series medically certified adapters platforms are industry leaders for density, efficiency and low leakage current. Popular single DC outputs available with rich features and functionality standard.

Medical safety approvals including IEC60601-1 medical safety certs. Low leakage current

12mm Creepage and Clearance EN55022-B, FCC Part 15 Level B Noise. 90-264 universal AC input.

Applications includes:

- Medical Audio & Video systems, Endoscopy, IV Pumps and Drips
- Defibrillators, Medical Test Systems
- Nurse Call Stations
- Sleep Apnea ,Hospital Data Systems
- Laboratory Equipment
- Health Care Information Systems
- Dental Equipment
- Medical Research Equipment ,Touch Screen Displays



Features :

- > Medical safety approvals
- > Low leakage current
- > EN55022-B, CISPR22-B FCC Part 15 Level B Noise
- > 12mm Creepage and Clearance

| Model Number | Case Type | Output Voltage | Output Current | Min. Load |
|--------------|-----------|----------------|----------------|-----------|
| LFMVC65NR12E | NR | 12V | 4.58A | 0A |
| LFMVC65NR15E | NR | 15V | 3.67A | 0A |
| LFMVC65NR19E | NR | 19V | 3.42A | 0A |
| LFMVC65NR24E | NR | 24V | 2.7A | 0A |
| LFMVC65NR48E | NR | 48V | 1.35A | 0A |

| OUTPUT SPECIFICATIONS | | |
|--------------------------|--|--------------|
| Output Power | | 55 to 65 W |
| Minimum Load | | 0.0A |
| Hold-Up Time | | >10ms |
| Set Point Accuracy | User adj. NA | <5% |
| Line Regulation | Low line to high line | <0.5% |
| Load Regulation | Min to Full Load | <5% |
| Transient Response | 10% to full load Voltage Deviation Recovery Time | <5% <5 ms |
| Ripple and Noise | | <2.0% |
| Output Rise Time | 10% to 90% Load | <100ms |
| Turn-on Delay | | <1s |
| OTP | | NA |
| Overload Protection | Auto Recovery >3s | Yes |
| Short Circuit Protection | Auto Recovery >3s | Yes |

| INPUT SPECIFICATION | | |
|---------------------|------------------------|--------------|
| AC Input | Universal | 90 to 264V |
| Efficiency | | 80% |
| Input Frequency | | 47-63 Hz |
| Input Current | Full Load at low line | 1.9 Arms |
| Inrush Current | High Line , cold start | 40A, Max |
| Leakage Current | | <250 μ A |

* Maximum current per output channel. Do not exceed total output power rating

All Red Rocket, Inc. EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant.



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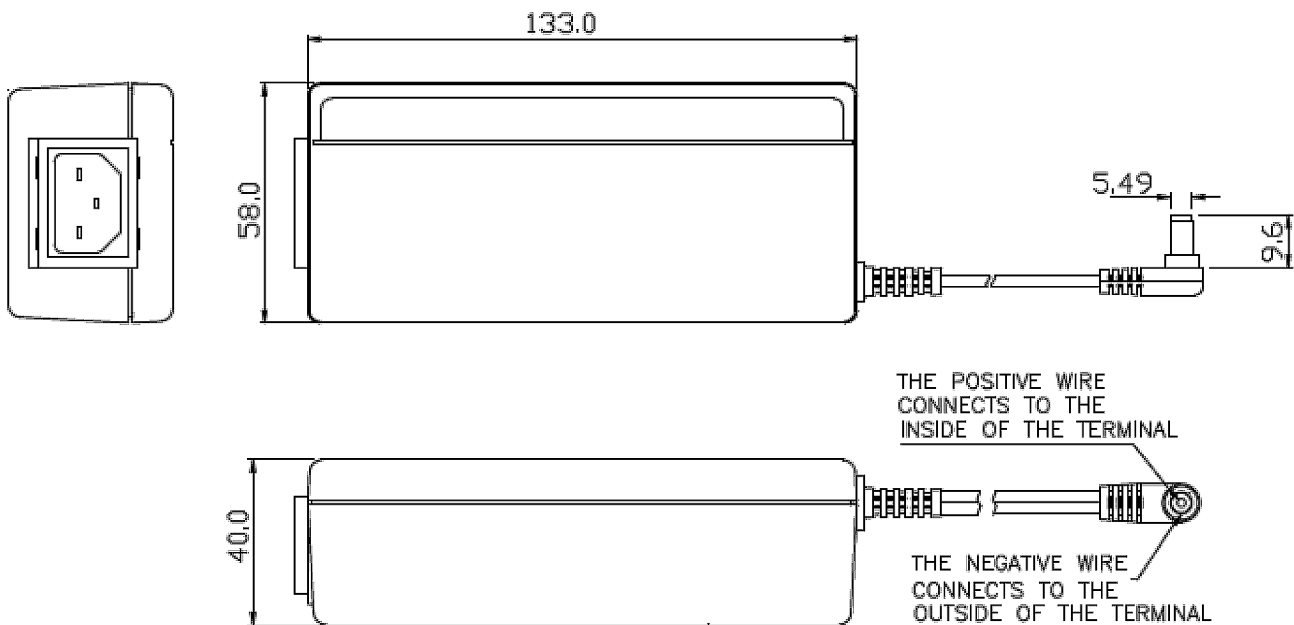
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| EMC AND SAFETY SPECIFICATIONS | |
|-------------------------------|--|
| CE Mark | Complies with the Low Voltage and EMC Directives |
| EMC-Emissions | EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2ND ED |
| EMC - Susceptibility | EN61000-4-3, -4, -5 Level 3 |
| Harmonic Correction | EN61000-3-2 Class A |
| Agency Approvals | NEMKO, UL, c-UL (Recognized Comp) |
| Safety Standards | IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No 601 Class 1 SELV. |
| Safety file numbers | NEMKO:P0620674 UL: E173812-A6 |

| MECHANICAL SPECIFICATIONS | |
|---------------------------|--|
| Input Connector | IEC60320 - C14 |
| Output Connector | Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity |
| Size | 5.236 x 2.283 x 1.574" (133.0 X 58.0 X 40.0 mm) |

| ENVIRONMENTAL SPECIFICATION | | |
|-----------------------------|----------------|------------------|
| Operating Temperature | | 0 to 40° C |
| Storage Temperature | | -40 to 85° CC |
| Cooling | | Convection |
| Relative humidity | Non condensing | 95%, max |
| MTBF | Bellcore | > 100,000 hrs |
| Weight | | 0.32oz (340.19g) |



MECHANICAL OUTLINE DIMENSIONS
ALL DIMENSIONS ARE IN MM.
GEN TOLERANCE :+/-0.5

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