

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
- > Class 1 Product

Model Number	Case Type	Output Voltage	Output Current	Min. Load
MVC65NR12E	NR	12V	4.58A	0A
MVC65NR15E	NR	15V	3.67A	0A
MVC65NR19E	NR	19V	3.42A	0A
MVC65NR24E	NR	24V	2.7A	0A
MVC65NR48E	NR	48V	1.35A	0A

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency	Typical	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

OUTPUT SPECIFICATIONS		
Output Power		55 to 65 W
Minimum Load		0.0A
Hold-Up Time		>10ms
Set Point Accuracy		\pm 5%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<5% <5 ms
Ripple and Noise		<2%
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

* 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. Visit us at www.redrocketpower.com and contact us at: sales@redrocketpower.com or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved.

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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
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, TR332	> 100,000 hrs
Weight		12oz (340g)

