



# 90 Watt Medical Series

Desktop Type

MDM090 - □ X X X

P : C6 / C14 ← O / P Voltage  
A : C8 / C18 →

## Green Mode

Meet CEC , Energy Star Level V , ErP Stage 2  
NO Load Power Consumption Less Than 0.5W

### Features:

- ANSI/AAMI/IEC/EN ES60601-1:2005 (60601 3rd edition)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM090-□120	12V	7.50A	90W
MDM090-□150	15V	6.00A	90W
MDM090-□190	19V	4.74A	90W
MDM090-□240	24V	3.75A	90W
MDM090-□360	36V	2.50A	90W
MDM090-□480	48V	1.88A	90W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A-0.5A
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	IEC60320/C6,C8,C14, C18

Output	
Load Regulation	±5% ( Typical )
Ripple	1 ~ 2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

## Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TUV) / PSE

## Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level V , ErP Stage 2 Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2, 3
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

## Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

## Mechanical

Case Dimension	L 168 x W 66 x H 39 (mm) ( Ref. )
Weight	600 g ( Ref. )