



12 Watt Medical Series

Wall Mount Type
USA / Europe / UK

Green Mode

Meet CEC, Energy Star Level VI, ErP Stage 2, NRCAN & GEMS NO Load Power Consumption Less 0.1W

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 12W
- 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
MWM012-W050□	5.0V	2.00A	10.00W
MWM012-W060□	5.9V	1.70A	10.00W
MWM012-W075□	7.5V	1.33A	10.00W
MWM012-W090□	9.0V	1.12A	10.00W
MWM012-W120□	12.0V	1.00A	12.00W
MWM012-W150□	15.0V	0.80A	12.00W
MWM012-W180□	18.0V	0.67A	12.00W
MWM012-W240□	24.0V	0.50A	12.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.31A-0.17A
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

MWM012 - W X X X □

O/P Voltage

U : US Plug
E : EU Plug
B : UK Plug

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
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	Yes

Safety Approvals

For USA - UL / cUL / FCC

For Europe & UK - CE

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level VI, ErP Stage 2, NRCAN & GEMS 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



20 Watt Medical Series

Wall Mount Type
USA / Europe / UK

MWM020 - W X X X □

O/P Voltage

U : US Plug
E : EU Plug
B : UK Plug

Green Mode

Meet CEC, Energy Star Level VI, ErP Stage 2, NRCan & GEMS NO Load Power Consumption Less 0.1W

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 20W
- 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
MWM020-W050□	5.0V	3.50A	17.50W
MWM020-W060□	5.9V	3.00A	17.70W
MWM020-W090□	9.0V	2.22A	20.00W
MWM020-W120□	12.0V	1.67A	20.00W
MWM020-W150□	15.0V	1.33A	20.00W
MWM020-W180□	18.0V	1.11A	20.00W
MWM020-W240□	24.0V	0.83A	20.00W
MWM020-W480□	48.0V	0.42A	20.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.45A-0.3A
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

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
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	Yes

Safety Approvals

For USA- UL / cUL / FCC

For Europe & UK - CE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level VI, ErP Stage 2, NRCan & GEMS 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



30 Watt Medical Series

Desktop Type

MDM030 - □ 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 0.3W

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 30W
- 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
MDM030- □050	5.0V	4.00A	20W
MDM030- □051	5.0V	5.00A	25W
MDM030- □075	7.5V	4.00A	30W
MDM030-□090	9.0V	3.34A	30W
MDM030- □120	12.0V	2.50A	30W
MDM030- □150	15.0V	2.00A	30W
MDM030- □180	18.0V	1.67A	30W
MDM030- □240	24.0V	1.25A	30W
MDM030- □360	36.0V	0.84A	30W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.7A-0.45A
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
DC Cord	20AWG / 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 100 × W 50 × H 33 (mm) (Ref.)
Weight	210 g (Ref.)

65 Watt Medical Series

Desktop Type



MDM065 - □ X X X

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

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 65W
- 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
ATM065-□120	12V	5.00A	60 W
ATM065-□150	15V	4.34A	65 W
ATM065-□180	18V	3.62A	65 W
ATM065-□190	19V	3.43A	65 W
ATM065-□240	24V	2.71A	65 W
ATM065-□360	36V	1.81A	65 W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
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
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TUV) / PSE
BSMI: CLASS I / RCM: CLASS II

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 119 × W 60 × H 36 (mm) (Ref.)
Weight	350 g (Ref.)



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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

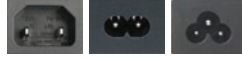
Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level V , ErP Stage 2 Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2, 3
EMS Immunity	Compliance to IEC60601-1-2
MTBF	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 × W 66 × H 39 (mm) (Ref.)
Weight	600 g (Ref.)



120 Watt Medical Series

Desktop Type

MDM120 - □ 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 120W
- 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
MDM120-□120	12V	10.00A	120W
MDM120-□150	15V	8.00A	120W
MDM120-□180	18V	6.60A	120W
MDM120-□190	19V	6.32A	120W
MDM120-□240	24V	5.00A	120W
MDM120-□360	36V	3.34A	120W
MDM120-□480	48V	2.50A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.4A-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.
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	16AWG
Ferrite Core	Yes

Safety Approvals

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

Electrical

Topology	LLC
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 175 × W 74 × H 42 (mm) (Ref.)
Weight	700g (Ref.)



160 Watt Medical Series

Desktop Type



MDM160 - P X X X

P : C6 / C14 ← O / P Voltage →

Green Mode

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

Safety Approvals

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

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 160W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Electrical

Topology	LLC
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
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Model	O/P Voltage	O/P Current	Watt
MDM160-P120	12V	12.5A	150W
MDM160-P190	19V	8.4A	160W
MDM160-P240	24V	6.6A	160W
MDM160-P480	48V	3.3A	160W

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

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.8A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Mechanical

Case Dimension	L 183 × W 81 × H 42 (mm) (Ref.)
Weight	820 g (Ref.)

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	16AWG
Ferrite Core	No (Optional)



200 Watt Medical Series

Desktop Type

MDM200 - P X X X

P : C6 / C14 ← O / P Voltage

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 200W
- 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
MDM200-P120	12.0V	16.00A	192.00W
MDM200-P180	18.0V	11.00A	198.00W
MDM200-P190	19.0V	10.50A	199.50W
MDM200-P240	24.0V	8.30A	199.20W
MDM200-P480	48.0V	4.17A	200.16W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

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	16AWG
Ferrite Core	NO(Optional)

Safety Approvals

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

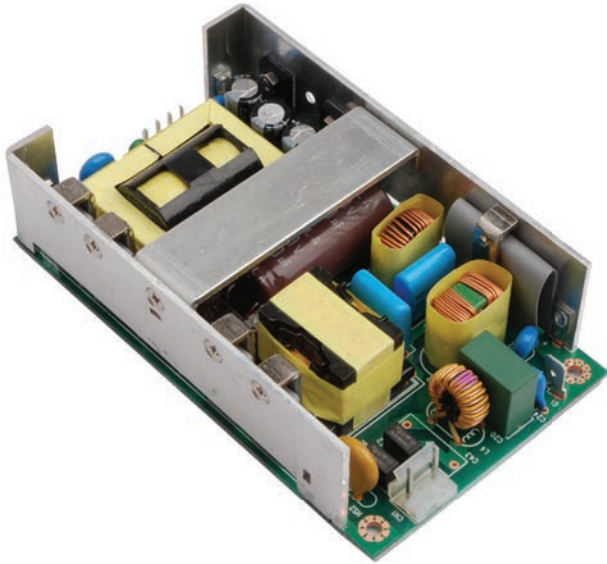
Electrical	
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level V , ErP Stage 2 Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 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 204 × W 81 × H 42.5 (mm) (Ref.)
Weight	880 g (Ref.)



120 Watt Medical Open Frame Power Supply MDM120-F Series



MDM120 - F XXX

↓
O / P Voltage

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
- Designed to Meet UL60950-1 , EN60950
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM120-F120	12V	10.00A	120W
MDM120-F150	15V	8.00A	120W
MDM120-F190	19V	6.30A	120W
MDM120-F240	24V	5.00A	120W
MDM120-F300	30V	4.00A	120W
MDM120-F480	48V	2.50A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A-0.7A
Protection	Internal Primary Current Fuse
Configuration	2PIN Wafer + Ground PIN

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

Safety Approvals

CB / UL / cUL / T- mark(TUV)

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L 127 × W 76 × H 35 (mm) (Ref.) 5" X 3" X 1.4" (inch)
Weight	320 g (Ref.)

130 Watt Medical Open Frame Dual Output MDM130-F240



Low Power Consumptions & High Efficiency

Features:

- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available

Model	O/P Voltage	O/P Current	Watt
MDM130-F240	24V	5A	130W
	5V	2A	

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.8A-0.6A
Protection	Internal Primary Current Fuse

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	Over Voltage Protection / Over Current Protection / Over Power Protection / Short Circuit Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL / T- mark(TUV)

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L 178 × W 108 × H 28 (mm) (Ref.)
Weight	450 g (Ref.)



EN 60601-1
IEC 60601-1

RoHS 33

210 Watt Medical Open Frame Dual Output MDM210-P240



Low Power Consumptions & High Efficiency

Features:

- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available

Model	O/P Voltage	O/P Current	Watt
MDM210-P240	24.0V	8.3A	210W
	5.00V	2.0A	

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-0.8A
Protection	Internal Primary Current Fuse

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	Over Voltage Protection / Over Current Protection / Over Power Protection / Short Circuit Protection / Over Temperature Protection

Safety Approvals

No (Optional)

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L 178 × W 108 × H 30 (mm) (Ref.)
Weight	510 g (Ref.)