

MEGA Electronics Inc., founded in 1994, is a global supplier of the highest quality hospital grade power cords and medical power supplies. We are dedicated to providing you with a one-stop solution; designing, manufacturing and delivering power cords and power supplies to meet your needs.

Our medical/hospital grade products include wall mount, desk top and open frame power supplies, hospital grade cord sets and power cords, along with hospital grade locking IEC connectors and outlets. All medical power supplies are listed to IEC 60601-1-2 (edition 4.0), and they meet the certification requirements of countries around the globe.

We are confident we can help you find the right power cord and power supply solution for your medical and hospital application. Please use this catalog as a reference guide and call our engineering team for more information at 732- 249-2656 or email us at sales@megaelectronics.com

# UL/CSA Hospital Grade Cordsets and Powercords



### **Hospital Grade Powercords**

UL Listed, CSA approved up to 20A/250V.

Other colors, color codes and lengths available.

Part No.	Plug	Color	Cable Type	Color	C.Code	Length	ROJ/Strip	Rating
458-M001	N5/15	Black	SJT 18AWGx3	Black	N.A.	10'/3.1m	39mm/10mm	10A/125V
458-M002	N5/15	Clear	SJT 18AWGx3	Black	N.A.	10'/3.1m	39mm/10mm	10A/125V
458-M021	N5/15	Gray	SJT 18AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	10A/125V
458-M061	N5/15	Clear	SJT 18AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	10A/125V
458-M003	N5/15	Black	SJT 16AWGx3	Black	N.A.	10'/3.1m	39mm/10mm	13A/125V
458-M004	N5/15	Clear	SJT 16AWGx3	Black	N.A.	10'/3.1m	39mm/10mm	13A/125V
458-M023	N5/15	Gray	SJT 16AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	13A/125V
458-M063	N5/15	Clear	SJT 16AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	13A/125V
458-M130	N5/15	Clear	SJT 14AWGx3	Black	N.A.	10'/3.1m	39mm/10mm	15A/125V
458-M131	N5/15	Clear	SJT 14AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	15A/125V
458-M61531	N6/15	Clear	SJT 14AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	15A/250V
458-M52031	N5/20	Clear	SJT 12AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	20A/125V
458-M62031	N6/20	Clear	SJT 12AWGx3	Gray	N.A.	10'/3.1m	39mm/10mm	20A/250V



# Hospital Grade Cordsets with the EN60320 C13 Right Angled

UL Listed, CSA approved up to 15A/250V.

Other colors, color codes and lengths available. Also available with the left angled EN60320 C13.

Part No.	Plug	Color	Cable Type	Color	C.Code	Length	Connector	Color	Rating
458-M150	N5/15	Clear	SJT 18AWGx3	Black	CE	10'/3.1m	C13 Right	Black	10A/125V
458-M151	N5/15	Clear	SJT 18AWGx3	Gray	CE	10'/3.1m	C13 Right	Clear	10A/125V
458-M152	N5/15	Clear	SJT 16AWGx3	Gray	CE	10'/3.1m	C13 Right	Clear	13A/125V
458-M153	N5/15	Clear	SJT 16AWGx3	Black	CE	10'/3.1m	C13 Right	Black	13A/125V
458-M154	N5/15	Clear	SJT 14AWGx3	Black	CE	10'/3.1m	C13 Right	Black	15A/125V
458-M155	N5/15	Clear	SJT 14AWGx3	Gray	CE	10'/3.1m	C13 Right	Clear	15A/125V
458-M61531	N6/15	Clear	SJT 14AWGx3	Gray	CE	10'/3.1m	C13 Right	Clear	15A/250V







## Hospital Grade Cordsets with the EN60320 C13

UL Listed, CSA approved up to 15A/250V.

Other colors, color codes and lengths available.

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I	Part No.	Plug	Color	Cable Type	Color	C.Code	Length	Connector	Color	Rating
I	458-M101	N5/15	Black	SJT 18AWGx3	Black	N.A.	10'/3.1m	C13	Black	10A/125V
I	458-M105	N5/15	Clear	SJT 18AWGx3	Black	N.A.	10'/3.1m	C13	Black	10A/125V
I	458-M121	N5/15	Gray	SJT 18AWGx3	Gray	N.A.	10'/3.1m	C13	Gray	10A/125V
I	458-M161	N5/15	Clear	SJT 18AWGx3	Gray	N.A.	10'/3.1m	C13	Clear	10A/125V
I	458-M103	N5/15	Black	SJT 16AWGx3	Black	N.A.	10'/3.1m	C13	Black	13A/125V
I	458-M123	N5/15	Gray	SJT 16AWGx3	Gray	N.A.	10'/3.1m	C13	Gray	13A/125V
I	458-M163	N5/15	Clear	SJT 16AWGx3	Gray	N.A.	10'/3.1m	C13	Clear	13A/125V
I	458-M164	N5/15	Clear	SJT 16AWGx3	Black	N.A.	10'/3.1m	C13	Black	13A/125V
I	458-M132	N5/15	Clear	SJT 14AWGx3	Black	N.A.	10'/3.1m	C13	Black	15A/125V
I	458-M133	N5/15	Clear	SJT 14AWGx3	Gray	N.A.	10'/3.1m	C13	Clear	15A/125V
I	458-M61541	N6/15	Clear	SJT 14AWGx3	Gray	N.A.	10'/3.1m	C13	Clear	15A/250V
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## Hospital Grade Cordsets with the EN60320 C19

UL Listed, CSA approved up to 20A/250V.

Also available with Right Angled EN60320 C19.

Part No.	Plug	Color	Cable Type	Color	C.Code	Length	Connector	Color	Rating
458-M167	N5/15	Black	SJT 14AWGx3	Black	N.A.	10'/3.1m	C19	Black	15A/125V
458-M167CE	N5/15	Black	SJT 14AWGx3	Black	CE	10'/3.1m	C19	Black	15A/125V
458-M171	N5/15	Clear	SJT 14AWGx3	Black	N.A.	10'/3.1m	C19	Black	15A/125V
458-M174	N5/15	Clear	SJT 14AWGx3	Gray	N.A.	10'/3.1m	C19	Gray	15A/125V
458-M61500	N6/15	Clear	SJT 14AWGx3	Black	CE	10'/3.1m	C19	Black	15A/250V
458-M61501	N6/15	Clear	SJT 14AWGx3	Gray	CE	10'/3.1m	C19	Gray	15A/250V
458-M52000	N5/20	Clear	SJT 12AWGx3	Black	CE	10'/3.1m	C19	Black	20A/125V
458-M52001	N5/20	Clear	SJT 12AWGx3	Gray	CE	10'/3.1m	C19	Gray	20A/125V
458-M62000	N6/20	Clear	SJT 12AWGx3	Black	CE	10'/3.1m	C19	Black	20A/250V
458-M62001	N6/20	Clear	SJT 12AWGx3	Gray	CE	10'/3.1m	C19	Gray	20A/250V
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# UNIQUE PATENTED LOCKABLE FEMALE C13 & C19 IEC CONNECTORS AND OUTLETS

Guards against accidental disconnection of Computers, PDU's, Servers and most Network Devices.



### Suitable for use with 'ANY STANDARD' C14 or C20 inlet

- Protects appliances that are vulnerable to vibration
- Connector cannot be accidentally pulled or vibrated out of the inlet



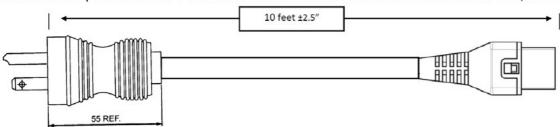
Connectors and outlets can be used with standard IEC plugs and inlets.

But for extra protection use both to ensure against accidental removal of power cables connected to PDU's, Servers, Network devices etc.



MEGA P/N: 458-M101L

NEMA 5/15Hospital Grade SJT 3X18AWG N.American color code C13LOCK/10 feet, black



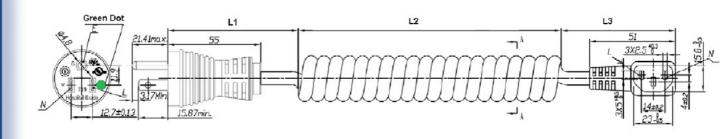


NEMA 5/15 Hospital Grade Plug Solid colors or clear with optional light



EN60320 C13 connector Various angles available, locking option











Wall Mount Type USA / Europe / UK / Australia / China / AC Plug Changeable

### MWM012T-WXXX

O/P Voltage ◀

▶ U : US Plug E: EU Plug

B: UK Plug A: AU Plug V: Changeable Plug

### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan & GEMS

No Load Power Consumption Less 0.075W

#### Features

■ ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)

■ EMC : IEC60601-1-2 : 2014 (edition 4.0)

■ IEC 60950 approval

■ Means of Protection: 2 X MOPP

■ Touch Current : < 100µA

< 10µA (Optional)

■ 100-240VAC Universal Input

■ Single Output to 12W

■ Regulated Output With Low Ripple Noise

■ Safety Agency Requirements and EMI/EMS Certified

■ Private Label Marking Available

■ Modified and Custom Design Available

2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MWM012T-W033 □	3.3V	2.00A	6.60W
MWM012T-W050 □	5.0V	2.00A	10.00W
MWM012T-W050 □U	5.0V	2.00A	10.00W
MWM012T-W051 □	5.0V	3.00A	15.00W
MWM012T-W060 □	5.9V	2.00A	11.80W
MWM012T-W062 □	6.2V	2.00A	12.40W
MWM012T-W090 □	9.0V	1.20A	10.80W
MWM012T-W120 □	12.0V	1.00A	12.00W
MWM012T-W150 □	15.0V	0.80A	12.00W
MWM012T-W180 □	18.0V	0.67A	12.06W
MWM012T-W240 □	24.0V	0.50A	12.00W

\*Add suffix "U" with USB connector

Input			
Voltage	100-240VAC		
Line Frequency	50-60Hz		
Current	0.32A-0.19A		
Protection	Internal Primary Current Fuse		
	U for US Plug		
	E for EU Plug		
Configuration	B for UK Plug		
	A for AU Plug		
M	V for Changeable Plug		

Output				
Load Regulation	±5% (Typical)			
Ripple	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	No (Optional)			

Dalety Approvais
For USA - CB / UL / cUL / FCC / PSE / BSMI
For Europe & UK - CB / GS / T-mark(TUV) / CE

Electrical					
Topology	Switching Flyback				
Dielectric Withstand	4000VAC Primary - Secondary				
Touch Current	< 100µA				
Touch Current	< 10µA (Optional)				
Efficiency	DoE Level VI, Energy Star, 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				

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

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U - L 80.2 × W 46 × H 57.5(mm)
E - L 80.2 × W 46 × H 68.7(mm)
B - L 80.2 × W 49.6 × H 62.7(mm)
A - L 80.2 × W 56 × H 40.5(mm)
V - L 80.2 × W 46 × H 40.5(mm)
U:140g E:145g B:148g
A: 144g V: 140g (Ref.)













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### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan & GEMS No Load Power Consumption Less 0.075W

#### Features

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- 2 X MOPP
- Touch Current : < 100µA

< 10µA (Optional)

- 100 240VAC Universal Input
- Single Output to 20W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM020-W050 □	5.0V	3.50A	17.50W
MDM020-W060 □	5.9V	3.00A	17.70W
MDM020-W090 □	9.0V	2.22A	20.00W
MDM020-W120 □	12.0V	1.67A	20.00W
MDM020-W150□	15.0V	1.33A	20.00W
MDM020-W180 □	18.0V	1.11A	20.00W
MDM020-W240 □	24.0V	0.83A	20.00W
MDM020-W480 □	48.0V	0.42A	20.00W

_			
100	0-240VAC		
50-	60Hz		
0.4	5A-0.3A		
Inte	ernal Primar	y Current Fu	use
U fo	or US Plug		
E fo	or EU Plug		
B fo	or UK Plug		
	50- 0.4 Inte U fe	100-240VAC 50-60Hz 0.45A-0.3A Internal Primar U for US Plug E for EU Plug B for UK Plug	50-60Hz 0.45A-0.3A Internal Primary Current Fu U for US Plug E for EU Plug

### 20 Watt Medical Series

Wall Mount Type USA / Europe / UK

### MWM020-W XXX

O/P Voltage ◀

▶ U : US Plug E : EU Plug B: UK Plug

Output	
Load Regulation	±5% (Typical)
Ripple	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 / PSE

For Europe & UK - T-mark(TUV) / CE

Electrical			
Topology	Switching Flyback		
Dielectric Withstand	4000VAC Primary - Secondary		
Touch Current	< 100µA		
Touch Current	< 10µA (Optional)		
Efficiency	DoE Level VI, Energy Star, 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
Mechanical	
	U - L 72 × W 34 × H 69(mm)

	U - L 72 × W 34 × H 69(mm)
Case Dimension	E - L 72 × W 34 × H 90(mm)
	B - L 72 × W 50 × H 81(mm)
	U:148g E:143g
Weight	B: 158g ( Ref. )









Desktop Type

### MDM036T-□ XXX

P: C6 / C14 -A: C8/C18

► O / P Voltage









Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.075W

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current: < 100µA
- 100-240VAC Universal Input
- Single Output to 36W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM036T-□050	5.0V	5.00A	25W
MDM036T-□075	7.5V	4.00A	30W
MDM036T-□090	9.0V	4.00A	36W
MDM036T- □120	12.0V	3.00A	36W
MDM036T- □150	15.0V	2.40A	36W
MDM036T- □ 180	18.0V	2.00A	36W
MDM036T- □ 240	24.0V	1.50A	36W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.0A-0.45A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Output	
Load Regulation	±5% (Typical)
Ripple	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	DoE Level VI, Energy Star, 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	Ivatural Convection Cooling

Case Dimension	L 100 × W 50 × H 33 (mm) ( Ref. )
Weight	210 g ( Ref. )









Desktop Type

MDM065T-U XXX

P: C6 / C14 -A: C8/C18

►O / P Voltage









### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- 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
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM065T- ☐ 120	12.0V	5.00A	60W
MDM065T-□ 150	15.0V	4.34A	65W
MDM065T-□ 180	18.0V	3.62A	65W
MDM065T-□ 190	19.0V	3.43A	65W
MDM065T-□ 240	24.0V	2.71A	65W
MDM065T-□ 480	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Output	
Load Regulation	±5% ( Typical )
Ripple	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

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	DoE Level VI, Energy Star, 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	

Mechanical	
Case Dimension	L 119 × W 60 × H 36 (mm) ( Ref. )
Weight	350 g ( Ref. )











Desktop Type

### MDM090T- XXX

P: C6 / C14 4 A: C8/C18

O / P Voltage









#### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

#### Features

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- 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
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Line Frequency

Current

Protection

Configuration

Model	O/P Voltage	O/P Current	Watt
MDM090T-□120	12.0V	7.00A	84W
MDM090T-□150	15.0V	6.00A	90W
MDM090T-□180	18.0V	5.00A	90W
MDM090T-□190	19.0V	4.74A	90W
MDM090T-□240	24.0V	3.75A	90W
MDM090T-□480	48.0V	1.88A	90W
Input			
Voltage	100-240VA		

50-60Hz

1.2A-0.5A

Internal Primary Current Fuse

IEC60320/C6,C8,C14, C18

Output	
Load Regulation	±5% (Typical)
Ripple	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 / 14AWG
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	DoE Level VI, Energy Star, 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	Class I : L 160 × W 64 × H 35 (mm)
	Class II: L 151 × W 64 × H 35 (mm)
\\\-!\-1	Class I: 460g
Weight	Class II : 450s

Class II: 450g











Desktop Type

### MDM120T- ☐ XXX

P: C6 / C14 A C8 / C18

→ O / P Voltage











### Green Mode

Meet CEC , DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

#### Features

■ ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)

■ EMC : IEC60601-1-2 : 2014 (edition 4.0)

■ 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

■ Private Label Marking Available

■ Modified and Custom Design Available

■ 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM120T-□120	12.0V	9.00A	108W
MDM120T-□150	15.0V	8.00A	120W
MDM120T-□180	18.0V	6.67A	120W
MDM120T-□190	19.0V	6.32A	120W
MDM120T-□200	20.0V	6.00A	120W
MDM120T-□240	24.0V	5.00A	120W
MDM120T-□480	48.0V	2.50A	120W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	1.4A-0.5A	
Protection	Internal Primary Current Fuse	
Configuration	IEC60320/C6, C8, C14, C18	

Tel: 732-249-2656

Output	
Load Regulation	±5% ( Typical )
Ripple	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 / 14AWG
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	DoE Level VI, Energy Star, 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

	20 O, by Telebraia OTT-002
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 165 × W 66 × H 39 (mm) ( Ref. )

590g (Ref.)

Weight





Desktop Type

### MDM160T-P XXX

P: C6 / C14

►O / P Voltage





#### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- 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
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM160T-P120	12.0V	12.5A	150W
MDM160T-P190	19.0V	8.4A	160W
MDM160T-P240	24.0V	6.6A	160W
MDM160T-P480	48.0V	3.3A	160W
Input			

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

Output	
Load Regulation	±5% (Typical)
Ripple	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	UL 2464 / 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	DoE Level VI, Energy Star, 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 183 × W 81 × H 42 (mm) ( Ref. )

820 g (Ref.)





Weight









Desktop Type

### MDM200T-P XXX

P C6 / C14 ◀

→O / P Voltage







#### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

#### Features

■ ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)

■ EMC: IEC60601-1-2: 2014 (edition 4.0)

■ 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
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM200T-P120	12.0V	16.00A	192.00W
MDM200T-P180	18.0V	11.00A	198.00W
MDM200T-P190	19.0V	10.50A	199.50W
MDM200T-P240	24.0V	8.30A	199.20W
MDM200T-P480	48.0V	4.17A	200.16W
Input			

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	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	UL 2464 / 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	DoE Level VI, Energy Star, 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

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. )	



Desktop Type

### MDM250T-P XXX

P: C14 ← → O / P Voltage





#### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.15W

#### Features

■ ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)

■ EMC : IEC60601-1-2 : 2014 (edition 4.0)

■ IEC 60950 approval

■ Means of Protection: 2 X MOPP

■ Touch Current : < 100µA

■ 100-240VAC Universal Input

■ Single Output to 250W

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

Model	O/P Voltage	O/P Current	Watt
MDM250T-P120	12.0V	20.00A	240W
MDM250T-P190	19.0V	13.20A	250W
MDM250T-P240	24.0V	10.42A	250W
MDM250T-P480	48.0V	5.20A	250W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.3A-1.3A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output	
Load Regulation	±5% (Typical)
Ripple	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	UL 2464
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	DoE Level VI, Energy Star, 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 94 × H 43.5(mm)( Ref. )

1040 g ( Ref. )





Weight





Desktop Type

### MDM300T-P XXX

P: C14 ◀

→ O / P Voltage





#### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2 No Load Power Consumption Less Than 0.5W

#### Features:

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM300T-P120	12.0V	24.00A	288W
MDM300T-P190	19.0V	15.78A	300W
MDM300T-P240	24.0V	12.50A	300W
MDM300T-P480	48.0V	6.25A	300W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.4A-1.6A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output	
Load Regulation	±5% ( Typical )
Ripple	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	UL 2464
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	DoE Level VI, Energy Star, 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
AND CONTRACTOR OF THE PARTY OF	

Mechanical	
Case Dimension	L 254 × W 116 × H 47 (mm) ( Ref. )
Weight	1600 g ( Ref. )









MDM012T-FXXX

MDM024T-FXXX

O / P Voltage

→O / P Voltage

►W: Wafer

Blank: 4 Industrial Pins

### Green Mode

Meet CEC, DoE Level VI, ErP Stage 2 No Load Power Consumption Less Than 0.075W

### Features

- ANSI/AAMI/IEC ES 60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- Means of Protection: 2 X MOPP
- Touch Current: < 100µA
- Meet UL60950-1, EN60950
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt	
MDM012T-F033	3.3V	2.50A	8.25W	
MDM012T-F050	5.0V	2.00A	10.00W	
MDM012T-F120	12.0V	1.00A	12.00W	
MDM012T-F150	15.0V	0.80A	12.00W	
MDM012T-F240	24.0V	0.50A	12.00W	
Model	O/P Voltage	O/P Current	Watt	
MDM024T-F033 □	3.3V	4.50A	14.85W	
MDM024T-F050 □	5.0V	4.40A	22.00W	
MDM024T-F120 □	12.0V	2.00A	24.00W	
MDM024T-F150 □	15.0V	1.60A	24.00W	
MDM024T-F240 □	24.0V	1.00A	24.00W	
MDM024T-F480 □	48.0V	0.50A	24.00W	
Input				
Voltage	100 - 240 VA	100 - 240 VAC		
Line Frequency	50 - 60Hz	50 - 60Hz		
Current	12W: 0.29A-	12W: 0.29A-0.17A, 24W: 0.55A-0.3A		
Protection	Internal Prim	Internal Primary Current Fuse		

Tel: 732-249-2656

Output	
Load Regulation	± 5% (Typical)
Ripple	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS min. @Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection

Safety Approvals
IT: CB/UL/cUL/FCC/CE
Medical: UL / cUL / FCC / CE / T-mark(TUV)

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000 VAC 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	MDM012T-F: L65 x W45 x H24 (mm)
	2.56"x1.77"x0.95" (inch)
	MDM024T-F:L69.85 x W48 x H26 (mm)
	2.75"x1.89"x0.95" (inch)
	MDM024T-F:L88.97 x W50.8 x H24 (mm)
	(wafer) 3.5"x2"x0.95" (inch)
Weight	MDM012T-F: 36 g ( Ref. )
	MDM024T-F: 58 g ( Ref. )











### IT / Medical Open Frame Power Supply 65 Watt Series

MDM-065T-F XXX

▶O / P Voltage

#### Green Mode

Meet CEC, DoE Level VI, ErP Stage 2 No Load Power Consumption Less Than 0.15W

#### Features

■ ANSI/AAMI/IEC/EN 60601-1:2012 (60601 edition 3.1)

■ EMC : IEC60601-1-2 : 2014 (edition 4.0)

■ Means of Protection: 2 X MOPP

■ Touch Current : < 100µA

■ Meet UL60950-1, EN60950

■ 100-240VAC Universal Input

- Single Output to 65W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM065T-F120	12.0V	5.00A	60W
MDM065T-F150	15.0V	4.34A	65W
MDM065T-F180	18.0V	3.62A	65W
MDM065T-F190	19.0V	3.43A	65W
MDM065T-F240	24.0V	2.71A	65W
MDM065T-F480	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% ( Typical )
Ripple	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

### Safety Approvals

IT: CB/UL/cUL/FCC/CE

Medical: UL/cUL/FCC/CE/T-mark(TUV)

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

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	

Mechanical	
Dimension	L 102 × W 51 × H 31 (mm) ( Ref. )
	4" x 2" x 1.2" (inch)











### IT / Medical Open Frame Power Supply 120 Watt Series

MDM120T-FXXX

►O / P Voltage

### Green Mode

Meet CEC, DoE Level VI, ErP Stage 2 No Load Power Consumption Less Than 0.21W

#### Features

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- Meet UL60950-1, EN60950
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM120T-F120	12.0V	9.00A	108W
MDM120T-F150	15.0V	8.00A	120W
MDM120T-F190	19.0V	6.30A	120W
MDM120T-F240	24.0V	5.00A	120W
MDM120T-F300	30.0V	4.00A	120W
MDM120T-F480	48.0V	2.50A	120W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A-0.7A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% ( Typical )
Ripple	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 / T-mark(TUV)

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

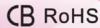
Environmental	
Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Deletive Ususidity	Operating: 20 to 80% RH
Relative Humidity	Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

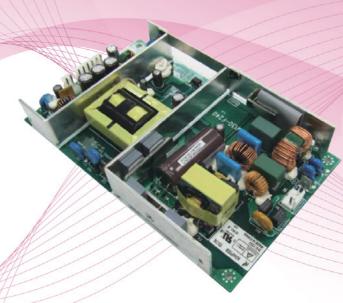
Mechanical	
Dimension	L 127 × W 76 × H 35 (mm) ( Ref. )
Dimension	5" x 3" x 1.4" (inch)
Weight	320 g ( Ref. )











# 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	120\/
	5V	2A	130W

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

Tel: 732-249-2656

### Safety Approvals

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

Electrical	
Topology	LLC
Dielectric Withstans	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		

450 g (Ref.)

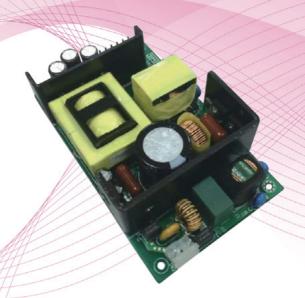


L 178 × W 108 × H 28 (mm) ( Ref. )

Dimension

Weight





### IT / Medical Open Frame Power Supply 150 Watt Series

MDM150T-F XXX

►O / P Voltage

### Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.15W

#### Features

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current: < 100µA
- Meet UL60950-1, EN60950
- 100-240VAC Universal Input
- Single Output to 150W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM150T-F120	12.0V	12.00A	144W
MDM150T-F240	24.0V	6.25A	150W
MDM150T-F480	48.0V	3.12A	150W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.0-0.8A Max.
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple	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 / 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	

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











### IT / Medical Open Frame Power Supply 200 Watt Series

MDM200T-FXXX

►O / P Voltage

### Green Mode

Meet CEC, DoE Level VI, ErP Stage 2 No Load Power Consumption Less Than 0.15W

### Features

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- Meet UL60950-1, EN60950
- 100-240VAC Universal Input
- Single Output to 200W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM200T-F120	12.0V	16.00A	192W
MDM200T-F190	19.0V	10.50A	200W
MDM200T-F240	24.0V	8.30A	200W
MDM200T-F480	48.0V	4.20A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.8A Max.
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple	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 / T-mark(TUV)

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

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

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











# **210 Watt Medical Open Frame Dual Output**MDM210-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
MDM210-F240	24.0V	8.3A	24004
	5.00V	2.0A	210W

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

Trotection	internal i filliary Current i use	
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

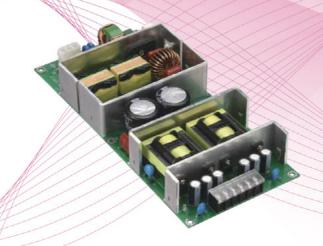
No (Optional)

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. )





### Medical Open Frame Power Supply 600 Watt Series

MDM600T-FXXX

►O / P Voltage

#### Features:

- UL60601-1, EN60601
- 100-240VAC Universal Input
- Single Output to 600W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
MDM600T-F120	12.0V	50.00A	600W
MDM600T-F240	24.0V	25.00A	600W
MDM600T-F480	48.0V	12.50A	600W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	6.9-3.3A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple	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

Electrical	
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
МТВБ	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 256 × W 115 × H 45 (mm)( Ref. )	
Weight	1000 g ( Ref. )	

