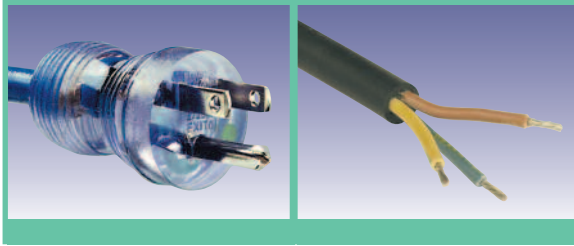


# UL/CSA Hospital Grade Cordsets and Powercords

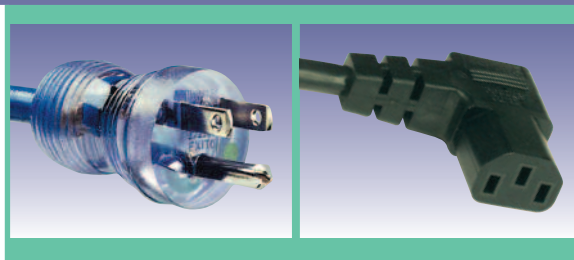


## Hospital Grade Powercords

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



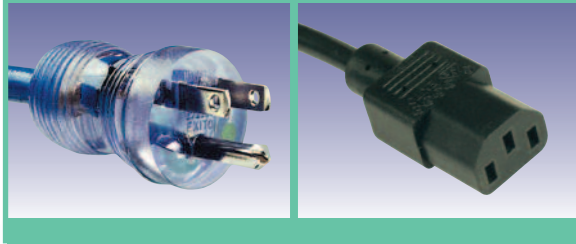
## Hospital Grade Cordsets with the EN60320 C13 Right Angled

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

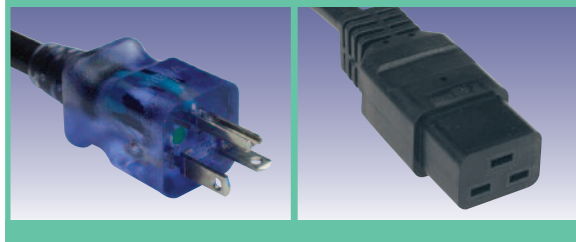


**Hospital Grade Cordsets  
with the EN60320 C13**

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

*Other colors, color codes and lengths available.*

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



**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



# 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 ← 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 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. )



R33154 RoHS

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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

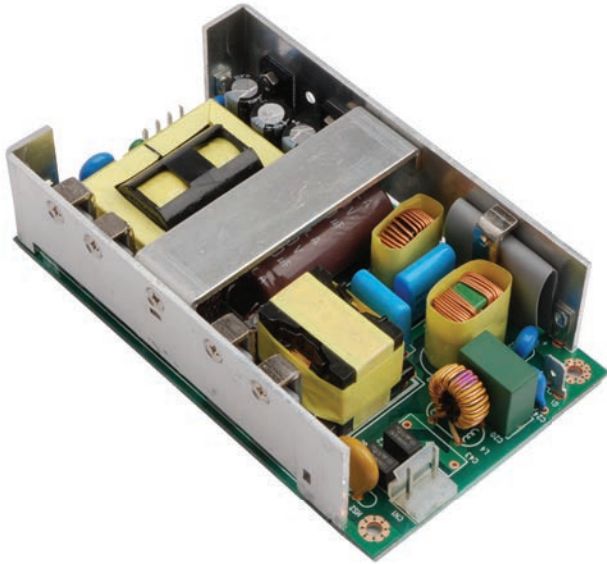
Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

## 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. )