



The Latest Launch I.T.E. & Medical Open Frame Power Supply Series



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130W 2"x3" Open Frame Power Supply

MDM130A5-F Series

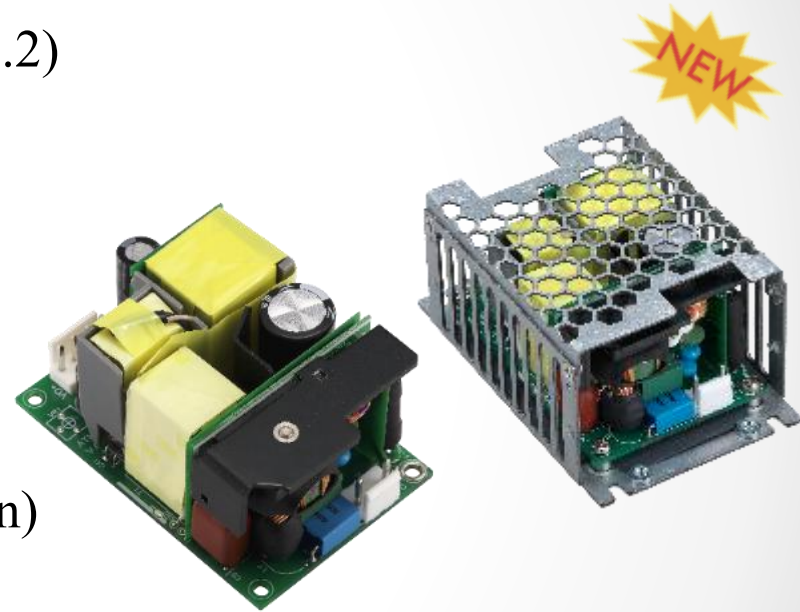
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 56V
- Output Power:
100W(Natural Convection) / 130W(With Fan)
- Class I & II Available
- Over Voltage Category III (OVC III)
- Dimension:
Open Frame Type: L 76.2 x W 50.8 x H 28mm (3" x 2" x 1.11")
Enclosed Type: L 95 x W 62 x H 37mm (3.74" x 2.45" x 1.46")



200W 2"x3" Open Frame Power Supply

MDM200A5-F Series

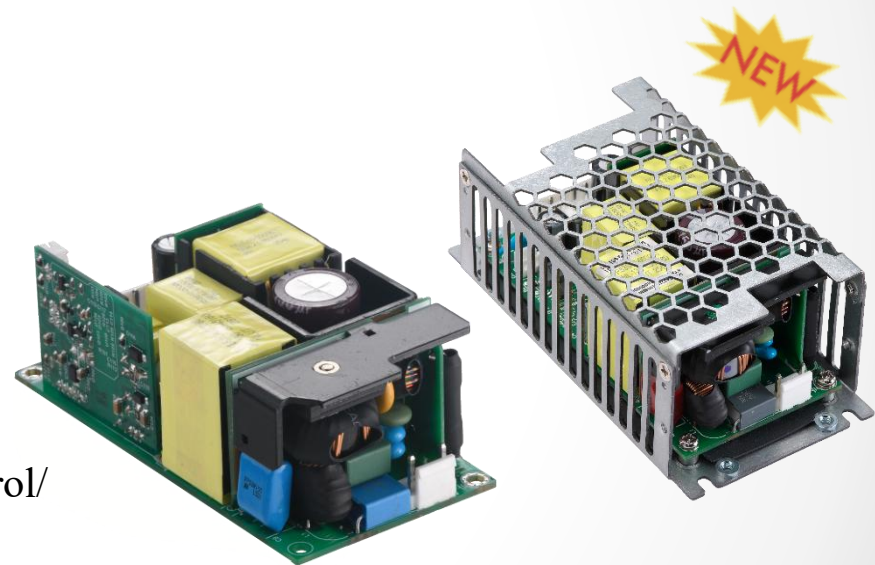
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 56V
- Output Power:
150W(Natural Convection) / 200W(With Fan)
- Peak Load 300W for 3 Sec.
- Class I & II Available
- Over Voltage Category III (OVC III)
- Dimension:
Open Frame Type: L 76.2 x W 50.8 x H 38.1mm (3" x 2" x 1.5")
Enclosed Type: L 95 x W 62 x H 44mm (3.74" x 2.44" x 1.73")



300W 2"x4" Open Frame Power Supply

MDM300A5-F Series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 56V
- Output Power:
200W(Natural Convection) / 300W(With Fan)
- Peak Load 450W for 3 Sec.
- With 12V Fan Power/ 5V Standby/ Remote Control/
DC Power Good/ V-Trim/ Remote Sense
- Class I & II Available
- Over Voltage Category III (OVC III)
- Dimension:
Open Frame Type: L 101.6 x W 50.8 x H 38.1mm (4" x 2" x 1.5")
Enclosed Type: L 120.5 x W 59.8 x H 43.9m (4.75" x 2.36" x 1.73")



Efficiency Performance – 130W/ 200W/ 300W

Series	Output Voltage	Natural Convection / Forced-Cooling	Wattage	Average Efficiency	
				Input 115Vac/60Hz	Input 230Vac/50Hz
MDM130A5-F	12V	Natural Convection	100W	91.36%	92.73%
		Forced-Cooling	130W	90.91%	92.48%
	24V	Natural Convection	100W	92.41%	93.54%
		Forced-Cooling	130W	92.39%	93.68%
	48V	Natural Convection	100W	92.90%	94.01%
		Forced-Cooling	130W	92.92%	94.26%
MDM200A5-F	12V	Natural Convection	150W	91.16%	93.21%
		Forced-Cooling	200W	90.68%	92.88%
	24V	Natural Convection	150W	92.56%	95.12%
		Forced-Cooling	200W	92.32%	94.80%
	48V	Natural Convection	150W	92.75%	95.23%
		Forced-Cooling	200W	92.64%	95.08%
MDM300A5-F	12V	Natural Convection	200W	92.56%	94.34%
		Forced-Cooling	300W	91.94%	94.21%
	24V	Natural Convection	200W	93.24%	95.13%
		Forced-Cooling	300W	92.86%	95.17%
	48V	Natural Convection	200W	93.20%	95.05%
		Forced-Cooling	300W	92.89%	95.25%

600W 3"x5" Open Frame Power Supply

MDM600A5-F Series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 56V
- Output Power:
400W(Natural Convection) / 600W(With Fan)
- Efficiency up to 96%
- Peak Load 900W for 2.5sec
- Class I & II Available
- Over Voltage Category III (OVC III)
- Dimension:
Open Frame Type: L 127 x W 76 x H 41.6mm (5" x 3" x 1.64")
Enclosed Type: L 146 x W 87.5 x H 48mm (5.75" x 3.45" x 1.89")



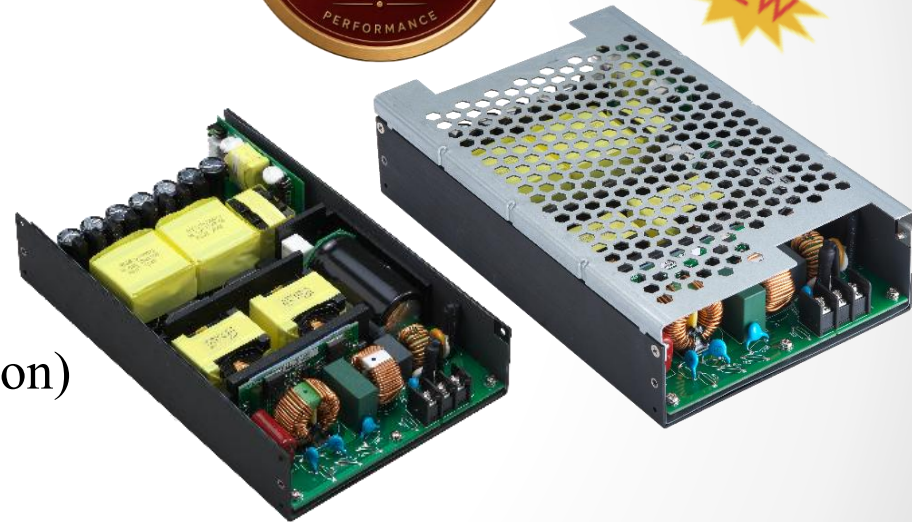
750W 5"x8" Open Frame Power Supply

MDM750A5-F Series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 48V
- With 5V / 1A Standby Output
- Output Power: 750W(Natural Convection)
- Efficiency up to 97%
- Class I & II Available
- Over Voltage Category III (OVC III)
- Dimension:

Open Frame Type: L 203 x W 127 x H 40mm (8" x 5" x 1.58")

Enclosed Type: L 203 x W 127 H x 49.8mm (8" x 5" x 1.96")



1KW Enclosure Open Frame Power Supply

MDM1000A5-F Series

- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V & 24V
- With 5V / 2A Standby Output
- Output Power: 1000W
- Dimension: 239mm x 140.5mm x 50mm



Efficiency Performance – 600W/ 750W/ 1000W

Series	Output Voltage	Natural Convection / Forced-Cooling	Wattage	Average Efficiency	
				Input 115Vac/60Hz	Input 230Vac/50Hz
MDM600A5-F	12V	Natural Convection	360W	92.20%	95.00%
		Forced-Cooling	600W	90.50%	94.10%
	24V	Natural Convection	400W	92.50%	95.40%
		Forced-Cooling	600W	91.20%	94.80%
	48V	Natural Convection	400W	93.00%	95.80%
		Forced-Cooling	600W	91.70%	95.30%
MDM750A5-F/H	12V	Natural Convection	750W	93.77%	95.82%
	24V	Natural Convection	750W	94.18%	96.21%
	48V	Natural Convection	750W	94.60%	96.66%
	24V (For Example)	Bridge	750W	90Vac/60Hz	91.98%
		Active Bridge			96.66%
MDM1000A5	12V	Forced-Cooling	960W	91.06%	93.96%
	24V	Forced-Cooling	1000W	91.61%	94.51%
	48V	Forced-Cooling	1000W	90.87%	93.71%



New Products

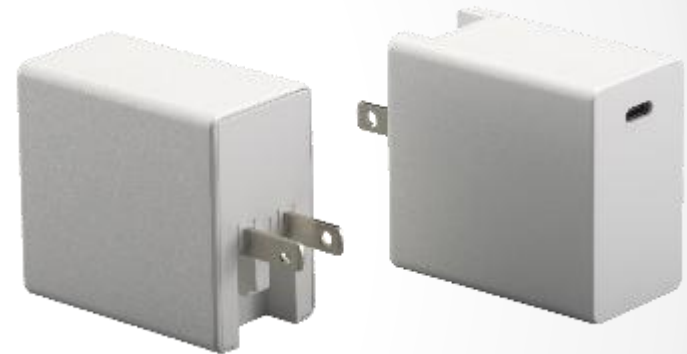
USB-C Power Delivery

Power Supply

Medical & I.T.E. 45W USB-C P.D. Power Supply

MDN045A3-W200 series

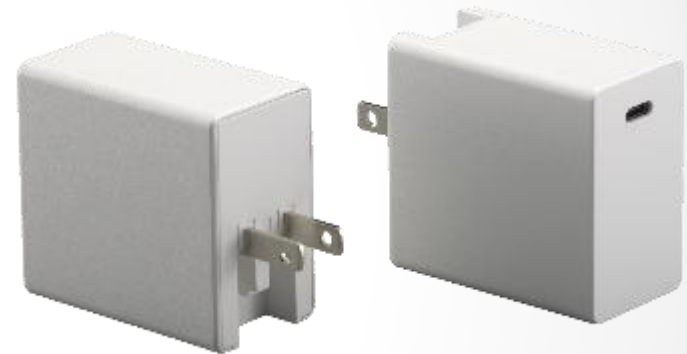
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output: 5V/3.0A, 9V/3.0A, 12V/3.0A, 15V/3.0A, or 20V/2.25A
- P.D. 3.0 / QC 4.0+ / QC 4.0
- With Single USB-C Output Port
- Dimension: 53.5mm x 31.5mm x 58mm



Medical & I.T.E. 65W USB-C P.D. Power Supply

MDN065A3-W200 series

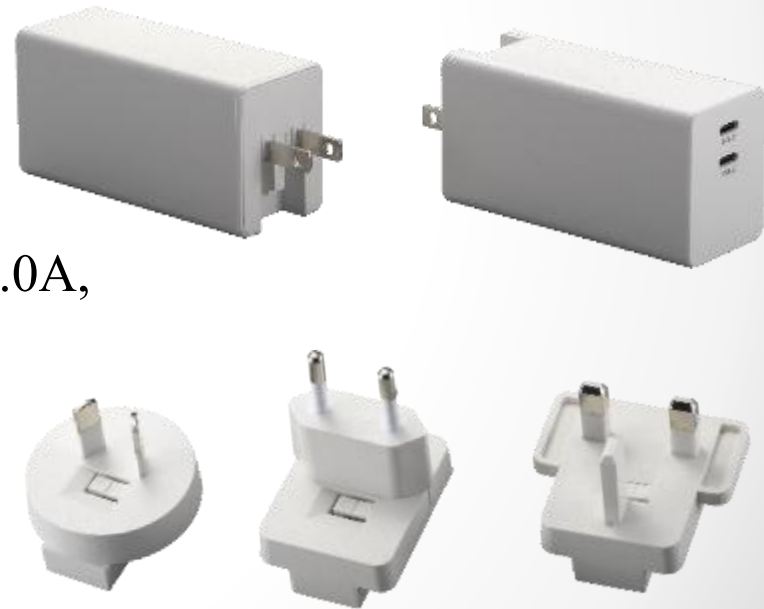
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output: 5V/3.0A, 9V/3.0A, 12V/3.0A, 15V/3.0A, or 20V/3.25A
- P.D. 3.0 / QC 4.0+ / QC 4.0
- With Single USB-C Output Port
- Dimension: 53.5mm x 31.5mm x 58mm



Medical & I.T.E. 100W USB-C P.D. Power Supply

MDN100A3-W200 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output: 5V/3.0A, 9V/3.0A, 12V/3.0A, 15V/3.0A, or 20V/5.0A
- P.D. 3.0 / QC 4.0+ / QC 4.0
- With Dual USB-C Output Port
- Dimension: 44mm x 35mm x 87mm



Medical & I.T.E. 140W USB-C P.D. Power Supply

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 5V/3A, 9V/3A, 12V/3A,
15V/5A, 20V/5.0A, 28V/5.0A
- With Cable with USB-C Connector
- Output 140W Max.



Medical & I.T.E. 240W USB-C P.D. Power Supply

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 5V/3A, 9V/3A, 15V/5A, 20V/5A,
28V/5A, 36V/5A, 48V/5.0A
- With Cable with USB-C Connector
- Output 240W Max.





The New Products

I.T.E. & Medical

600W External Power Supply

Medical & I.T.E. 600W Power Supply

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V, 24V, 48V, 56V
- Efficiency up to 97%
- Dimension: 254mm x 119mm x 50.5mm





The New Products

Medical Compact Size

External Power Supply

Medial 65W Compact Sized External Power Supply

MDM065A4-W series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 48V
- Dimension: 53.5mm x 31.5mm x 74.5mm



Medial 90W Compact Sized External Power Supply

MDM090A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 24V
- Dimension: 133.5mm x 53.5mm x 33mm



Medial 120W Compact Sized External Power Supply

MDM120A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 24V
- Dimension: 140.5mm x 60mm x 35mm



Medial 160W Compact Sized External Power Supply

MDM160A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 24V
- Dimension: 161mm x 54.2mm x 33.2mm



Medial 200W Compact Sized External Power Supply

MDM200A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 48V
- Dimension: 173mm x 67mm x 32.1mm



Medial 240W Compact Sized External Power Supply

MDM240A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 48V
- Dimension: 188mm x 81mm x 39.5mm



Medial 300W Compact Sized External Power Supply

MDM300A4 series

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Input Voltage: 100 ~ 240Vac
- Output Voltage: 12V ~ 24V
- Dimension: 204mm x 94mm x 43.5mm

