



IDEALPOWER

EXPERTS IN POWER SUPPLY PRODUCTS



MEDICAL

Power Supply Product Guide

MEDICAL POWER SUPPLIES

Here at Ideal Power, we understand the importance of power supply for medical applications. In order to achieve the safety of medical electronics, IEC/UL/EN 60601-1 prescribes three categories for electronic medical devices and medical power supplies, known as applied parts classification.

You can be assured that all our products comply with the medical application standards ISO 13485 and ISO 14971.

We deal with class 2 medical power supply, external medical power supply, and medical grade ATX power supply. In doing so, we focus on providing power supplies for medical applications that are optimised for the best industry-lead performance. We ensure that all products meet global safety standards and also deliver products at a competitive price.



Any piece of electronic medical equipment that interacts with a patient is called an applied part. These applied parts are classified under one of the following categories: 'Type B', body type, 'Type BF', body floating type, 'Type CF', and cardiac floating type.

Each type has varying input to output isolation voltages, input to ground isolations, and output to ground isolations.

Similarly, there is variation in the earth leakage current, enclosure leakage current, and patient leakage current.

LEADING SUPPLIER OF MEDICAL POWER SUPPLIES

We are continuously investing in research and development to ensure we are on the forefront of innovation and compliance. Some of the products we supply are:

- AC/DC power supply units
- DC/DC converters
- Latest standards and safety certifications to meet the automotive industry requirements
- Power solutions spanning 3 – 550 watts
- Extremely reliable
- A range of input and output modules
- Ideal Power are ISO 9001:2015 compliant

We guarantee you will receive high-quality and highly efficient products meeting all applicable standards having undergone rigorous testing, such as design verification tests (DVTs) and IRIS certifications.



- Approved to IEC/UL/EN62368-1 & 60601
- Meeting the latest Efficiency standards & approvals
- Approved to the latest approvals worldwide
- Available in many package types



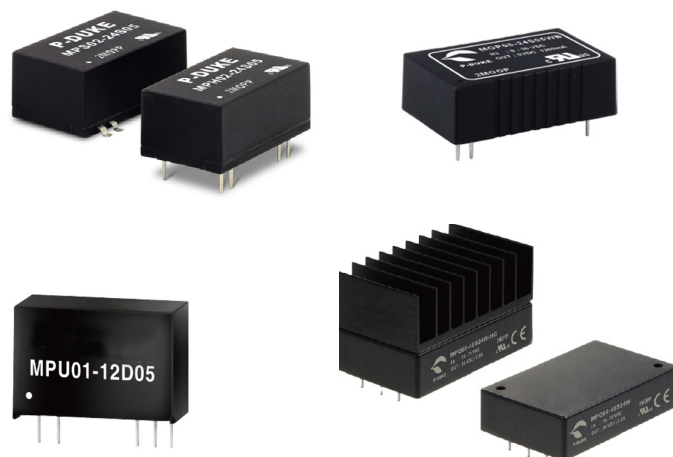
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Series Name	Input Voltage (VDC)	Output Voltage (VDC)	Output power (W)	Dimensions	Package
36GxxxxS-1WR2	2.97-16.5	3.3-15/+5-±15	1	19.5x9.8x12.5mm	SIP
36HxxxxS-1WR2	2.97-16.5	3.3-15/+5-±15	1	19.5x9.8x12.5mm	SIP
43MPU01-xyz	4.5-36	3.3-15/+5-±15	1	0.77x0.49x0.39 Inches	SIP
43MPH02-xyz	4.5-75	3.3-24/±12 ±15	2	0.95x0.57x0.4 Inches	SIP & DIP
36GxxxxS-2WR2	4.5-16.5	5-15/+5-±15	2	19.5x9.8x12.5mm	SIP
36HxxxxS-2WR2	4.5-16.5	5-15/+5-±15	2	19.5x9.8x12.5mm	SIP
43MPS02-xyz	4.5-75	3.3-24/±12 ±15	2	0.95x0.71x0.41 Inches	DIP, SMD
43MOP03-xyz	4.5-75	3.3-24/±5 - ±15	3	1.25x0.8x0.4 Inches	DIP
43MOP03-xyzW	4.5-75	3.3-24/±5 - ±15	3	1.25x0.8x0.4 Inches	DIP
43MPP03-xyz	4.5-75	3.3-24/±5 - ±15	3	1.25x0.8x0.4 Inches	DIP
43MPP03-xyzW	4.5-75	3.3-24/±5 - ±15	3	1.25x0.8x0.4 Inches	DIP
43MPH04-xyz	4.5-75	3.3-24/±12 ±15	3.5	0.95x0.57x0.4 Inches	DIP, SMD
43MPS04-xyz	4.5-75	3.3-24/±12 ±15	3.5	0.95x0.71x0.41 Inches	DIP, SMD
43MOP06-xyz	4.5-75	3.3-24/±5 - ±15	6	1.25x0.8x0.4 Inches	DIP
43MOP06-xyzW	4.5-75	3.3-24/±5 - ±15	6	1.25x0.8x0.4 Inches	DIP
43MOP10-xyz	4.5-75	3.3-24/±5 - ±15	10	1.25x0.8x0.4 Inches	DIP
43MOP10-xyzW	4.5-75	3.3-24/±5 - ±15	10	1.25x0.8x0.4 Inches	DIP
36URH-P-6WR3	9-75	5-24	6	31.6x20.3x10.2mm	DIP
43MPP06-xyW	4.5-75	3.3-24/±5 - ±15	6	1.25x0.8x0.4 Inches	DIP
43MPP06-xyz	4.5-75	3.3-24/±5 - ±15	6	1.25x0.8x0.4 Inches	DIP
43MPP10-xyW	9-75	3.3-24/±5 - ±15	10	1.25x0.8x0.4 Inches	DIP
43MPP10-xyz	9-75	3.3-24/±5 - ±15	10	1.25x0.8x0.4 Inches	DIP
43MPM15-xyz	9-75	3.3-24/±12 ±15	20	1.6x1x0.4 Inches	DIP
43MPM15-xyzW	9-75	3.3-24/±12 ±15	20	1.6x1x0.4 Inches	DIP
43MPM20-xyz	9-75	12-24/±12 ±15	20	1.6x1x0.4 Inches	DIP
43MPM20-xyzW	9-75	12-24/±12 ±15	20	1.6x1x0.4 Inches	DIP
43MPD30-xyz	9-75	5-24/±5 - ±15	30	2x1x0.4 Inches	DIP
43MPD30-xyzW	9-75	5-24/±5 - ±15	30	2x1x0.4 Inches	DIP
43MPQ60-xyxW	9-75	5-24/±12 ±15	60	2.28x1.45x0.5 Inches	Quarter Brick

To view our full product range visit - Idealpower.co.uk

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Series Name	Input Voltage (VDC)	Output Voltage (VDC)	Output power (W)	Dimensions	Package
36LH15-20BxxMU-A4S	100-370	5-24	15	96.10x54x35.6mm	DIN Rail
36LH25-20BxxMU-A4S	100-370	5-24	25	96.10x54x36.6mm	DIN Rail
43MDD40-USxy	120-370	5-53	40	2x3x1.31 Inches	Enclosed
43MDD40-Uxy	120-370	$\pm 5 - \pm 24$	40	2x3x1.36 Inches	Enclosed
43MDD65-USxy	120-370	5-53	65	2x3x1.31 Inches	Enclosed
43MDD65-Uxy	120-370	$\pm 3.3 - \pm 24$	65	2x3x1.36 Inches	Enclosed
43MDD100-USxy	120-370	12-48	100	2x3x1.16 Inches	Enclosed
43MDF150-USxy	120-370	12-48	150	2x4x1.16 Inches	Enclosed

ENCLOSED POWER SUPPLIES

36LH15-20BxxMU-A2S	100-370	5-24	15	96.1x54x31mm	Plastic
36LH25-20BxxMU-A2S	100-370	5-24	25	96.1x54x32mm	Plastic
43MED40-USxy	120-370	5-53	40	2x3x1.31 Inches	Metal
43MED40-Uxy	120-370	$\pm 5 - \pm 24$	40	2x3x1.36 Inches	Metal
43MED65-USxy	120-370	5-53	65	2x3x1.31 Inches	Metal
43MED65-Uxy	120-370	$\pm 3.3 - \pm 12$	65	2x3x1.36 Inches	Metal
43MED100-USxy	120-370	12-48	100	2x3x1.16 Inches	Metal
36LOF120-20Bxx-C	120-370	12-54	120	80x62x40mm	Metal
43MEF150-USxy	120-370	12-48	150	2.44x4.6x1.54 Inches	Metal
36LOF225-20Bxx-C	120-370	12-54	225	130.4x62x37mm	Metal
36LOF350-20Bxx-C	127-370	12-54	350	130x86x35mm	Metal
36LOF450-20Bxx-C	127-370	12-54	450	130x86x43mm	Metal
36LOF450-20Bxx-CF	127-370	12-54	450	160x86x43mm	Metal
43MEH450-USxy	120-370	12-53	450	3.41x5x1.97 Inches	Metal
36LOF550-20Bxx-C	120-370	12-54	550	130x86x43mm	Metal
36LOF550-20Bxx-CF	127-370	12-54	550	160x86x43mm	Metal

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36LH25-20BxxMU	100-370	5-24	25	70x48x23.5mm	DIP
36LH15-20BxxMU	100-370	5-24	15	62x45x22.5mm	DIP
43MSD30-USxy	120-370	3.3-53	30	3.95x1.5x1 Inches	Encapsulated
43MSD40-USxy	120-370	3.3-53	40	3.2x2.2x1.2 Inches	Encapsulated
43MSD65-USxy	120-370	5-53	65	3.2x2.2x1.2 Inches	Encapsulated

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43MAC15-USxy	120-370	3.3-53	15	1x2.61x0.62 Inches	Open Frame
43MAD30-USxy	120-370	3.3-53	30	3.34x1.36x.77 Inches	Open Frame
43MAD40-USxy	120-370	3.3-53	40	2x3x1.31 Inches	Open Frame
43MAD40-Uxy	120-370	$\pm 5 - \pm 24$	40	2x3x1.36 Inches	Open Frame
43MAD65-USxy	120-370	5-53	65	2x3x1.31 Inches	Open Frame
43MAD65-Uxy	120-370	$\pm 3.3 - \pm 12$	65	2x3x1.36 Inches	Open Frame
43MAD100-USxy	120-370	12-48	100	2x3x1.16 Inches	Open Frame
36LOF120-20Bxx	120-370	12-54	120	76.2x50.8x31mm	Open Frame
36LOF120-20Bxx	120-370	12-54	120	76.2x50.8x31mm	Open Frame
43MAF150-USxy	120-370	12-48	150	2x4x1.16 Inches	Open Frame
36LOF225-20Bxx	120-370	12-54	225	101.6x50.8x25.4mm	Open Frame
36LOF350-20Bxx	127-370	12-54	350	127x76.2x25.4mm	Open Frame
43MAH450-USxy	120-370	12-53	450	3x5x1.58 Inches	Open Frame
36LOF450-20Bxx	127-370	12-54	450	127x76.2x38.5mm	Open Frame
36LOF550-20Bxx	127-370	12-54	550	127x76.2x40.5mm	Open Frame

U FRAME POWER SUPPLIES

43MUD40-USxy	120-370	5-53	40	2x3x1.31 Inches	U Frame
43MUD40-Uxy	120-370	$\pm 5 - \pm 24$	40	2x3x1.31 Inches	U Frame
43MUD65-USxy	120-370	5-53	65	2x3x1.31 Inches	U Frame
43MUD65-Uxy	120-370	$\pm 3.3 - \pm 12$	65	2x3x1.36 Inches	U Frame
43MUD100-USxy	120-370	12-48	100	2x3x1.16 Inches	U Frame

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Series Name	Input Voltage (VAC)	Output Voltage (VDC)	Output power (W)	Dimensions	Package
44ATM036T-Pxyz	100-240	5-24	36	100x50x33mm	UK Fixed
44ATM065T-Pxyz	100-240	12-48	65	160x64x35mm	UK Fixed
44ATM090T-Pxyz	100-240	12-24	90	160x64x35mm	UK Fixed
44ATM120T-Pxyz	100-240	12-48	120	168x66x39mm	UK Fixed
44ATM160T-Pxyz	100-240	12-48	160	183x81x42mm	UK Fixed
44ATM200T-Pxyz	100-240	12-48	200	204x81x42.5mm	UK Fixed
44ATM250T-Pxyz	100-240	12-24	250	204x94x43.5mm	UK Fixed
44ATM300T-Pxyz	100-240	12-24	300	254x116x47mm	UK Fixed

BESPOKE POWER SUPPLIES

Let Ideal Power Take Care of your Bespoke Power Supply Needs, Contact us today to find out how.

At Ideal Power, we can offer a range of power supply products with customised aspects to suit your project and specifications, including:

- External Power Supplies
- AC Adaptors
- Uninterruptable Power Supplies
- Switching Power Supplies
- AC/DC Converters



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