

Medical Power Supply

From The World's No.1 Power Supply Company

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www.DeltaPSU.com

Table of Contents

	Company Profile	1
•	Latest Products	2
	Typical Applications	3
	Selection Guide	4-6
	Standard Products	7
	Open Frame Power Supply	7
	Open Frame Power Supply	8-18
	MDS 040APS (12/15/18/24V)	
	MDS 065APS (12/15/18/24V)	
	MDS 100APS (12/15/18/24V) MDS 100BPS (12/15/18/24V)	
	MDS 100AP401 (5.1/12/-15/15V)	
	MDS 200A (12/24V)	
	MDS 250A (12/24V) MDS 300A (12/18/24/48V)	
	MDS 300A (12/16/24/46V) MDS 400A (12/24V)	
	MDS 400AUS (19/24V)	
	MEU 600C (24V)	18
•	Standard Products	19
	Enclosed Power Supply	19
•	Enclosed Power Supply	20-24
	MDS 200ADB (12/24V)	
	MDS 250ADB (12/24V) MDS 300ADB (12/18/24/48V)	
	MDS 400ADB (12/24V)	
	MEB 1K2 (24V)	24
•	Standard Products	25
	ATX Power Supply	25
•	ATX Power Supply	26
	MDS 350AD701	26
•	Standard Products	27
	Adapter Power Supply	27
	Adapter Power Supply	28-36
	MDS 005AAS (5/6V)	
	MDS 030AAC (5/7/12/15/24V) MDS 060AAS (12/15/19/24V)	
	MDS 060BAS (12/19/24V)	
	MDS 080AAS (12V)	32
	MDS 090AAS (15/19/24V)	
	MDS 090BAS24 (24V) MDS 150AAS (12/19/24V)	
	MDS 150CAB19 (19V)	
	Standards & Approvals	37-38
	Notes	39-41

Company Profile Delta Electronics Group

World's No.1* Power Supply Company

Delta Electronics Group is the world's largest provider of switching power supplies and a major source for power management and renewable energy solutions. Established in 1971, Delta has sales offices and R&D facilities worldwide with manufacturing plants located in Taiwan, Thailand, China, Mexico, India and Europe.

As a global leader in power electronics, Delta has been adopting Green manufacturing processes, recycling initiatives, waste management programs and environmentally-friendly green buildings. In 2017, Delta Electronics was selected for the prestigious Dow Jones Sustainability Index (DJSI) World for the seventh consecutive year. Amongst many other national and international awards, since 2010, Delta has also received more than 49 internationally recognized technology and design awards.

Standard Industrial and Medical Power Supplies



Delta offers an extensive range of standard power supplies for industrial and medical applications. The industrial power supplies comprise of DIN rail, panel mount and open frame types and LED drivers. The medical power supplies include open frame, enclosed, ATX and AC adapter types. All Delta standard power supplies offer customers the same industrial leading technology and quality that Delta's ODM partners are familiar with. Due to Delta's highly reliable products and world class customer support, we have been expanding our product portfolio aggressively to meet the global demands which have been growing annually. Please visit our standard product homepage at **www.DeltaPSU.com** for more product information.

Modified Standard Power Supplies



Many top tier electronics companies on the Fortune® 500 list have long regarded Delta as a trusted ODM partner. These companies expect nothing less than the best technology and quality. With decades of industrial leading manufacturing and design experiences in ODM power management products, the Medical Power Supply team can also offer our customers modified standard products by leveraging from the wide range of standard products in our catalog. Modified standard products enable our customers to optimize their costs and product development time. For further query, please contact your local Delta distributor or simply send your query to info@deltapsu.com.

* Based on global sales revenue as reported in Micro-Tech Consultants March 2017 Report.



Latest Products **Delta Standard Medical Power Supplies**





- Suitable for type BF patient access applications
- Built-in active PFC
- Compliant with IEC 60601-1-2 4th Ed. requirements



- Meets Limited Power Source (LPS) requirements
- Suitable for type BF applications

Typical Applications Delta Standard Medical Power Supplies



- Blood pressure meter
- CPAP/Sleep therapy
- Healthcare information system
- Medical monitors/IT
- Nursing cart
- ECG/EKG
- Infusion pump
- Life Science

- Ophthalmology equipment
- Patient monitor
- Dental equipment
- In-Vitro diagnostic equipment
- Medical ventilator
- Oxygen condenser
- Ultrasound equipment

Selection Guide Delta Standard Medical Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Model Name	CC Code	Input Terminal	Output Voltage	Output Current	Output Power	Dimensions	Safety Standards
Open Frame	MDS-040APS12 B	А	JST 2-pin		3.33A	40W	2.0" × 3.0" × 0.9"	((🖓 🛛
Power Supply	MDS-065APS12 B	Α	JST 2-pin		5.42A	65W	2.0" × 4.0" × 1.2"	((🔊
	MDS-100APS12 B	A	JST 2-pin		8.33A	100W	3.0" × 5.0" × 1.2"	((🖓 🛛 🔾
	MDS-100BPS12 B	A	JST 2-pin	12V	8.33A	100W	2.0" × 4.0" × 1.25"	((🖓 🛛 👁
	MDS-200APB12*	AA	Molex 2-pin		16.67A	200W	2.0" × 4.0" × 1.4"	((🖓 🖉 🌰
	MDS-250APB12*	AA	Molex 2-pin		20.84A	250W	3.0" × 5.0" × 1.4"	(6 🔊 🖉 🛓
	MDS-300APB12*	AA	Molex 2-pin		25.00A	300W	3.0" × 5.0" × 1.4"	((🖓 🖤 🍙
	MDS-400APB12*	AA	Molex 2-pin		33.33A	400W	3.0" × 5.0" × 1.4"	((🖓 🖤 🍙
	MDS-040APS15 B	A	JST 2-pin		2.67A	40W	2.0" × 3.0" × 0.9"	(€ 🖓 🛯 💬
	MDS-065APS15 B	A	JST 2-pin	15V	4.20A	65W	2.0" × 4.0" × 1.2"	((🖓 🗤 💬
	MDS-100APS15 B	A	JST 2-pin	157	6.67A	100W	3.0" × 5.0" × 1.2"	((🖓 🛛 🐨
	MDS-100BPS15 B	A	JST 2-pin		6.70A	100W	2.0" × 4.0" × 1.25"	((🔊
	MDS-040APS18 B	A	JST 2-pin	18V	2.22A	40W	2.0" × 3.0" × 0.9"	((🖓 🛛 💬
	MDS-065APS18 B	A	JST 2-pin		3.61A	65W	2.0" × 4.0" × 1.2"	((🖓 🛚 🐨
	MDS-100APS18 B	A	JST 2-pin		5.55A	100W	3.0" × 5.0" × 1.2"	((🔊
	MDS-100BPS18 B	Α	JST 2-pin		5.50A	100W	2.0" × 4.0" × 1.25"	(€ 🔊 🐨
	MDS-300APB18*	AA	Molex 2-pin		16.66A	300W	3.0" × 5.0" × 1.4"	(6 🔊
	MDS-400AUS19 B	A	DECA 3-pin	19V	21.10A	400W	3.8" × 7.8" × 1.6"	(€ ∞ ∞
	MDS-040APS24 B	A	JST 2-pin		1.67A	40W	2.0" × 3.0" × 0.9"	(€ 🔊 🕬 🐨
	MDS-065APS24 B	A	JST 2-pin		2.71A	65W	2.0" × 4.0" × 1.2"	((🖓 🕫 💬
	MDS-100APS24 B	A	JST 2-pin		4.17A	100W	3.0" × 5.0" × 1.2"	((🔊 🔊
	MDS-100BPS24 B	A	JST 2-pin		4.20A	100W	2.0" × 4.0" × 1.25"	((🔊
	MDS-200APB24*	AA	Molex 2-pin	24V	8.33A	200W	2.0" × 4.0" × 1.4"	((🖓 🖤 🍙
	MDS-250APB24*	AA	Molex 2-pin	24V	10.41A	250W	3.0" × 5.0" × 1.4"	((🔊 🕲 🛓
	MDS-300APB24*	AA	Molex 2-pin		12.50A	300W	3.0" × 5.0" × 1.4"	(6 🔊 🖉 🗎
	MDS-400APB24*	AA	Molex 2-pin		16.66A	400W	3.0" × 5.0" × 1.4"	(6 🔊 🖉 🗎
	MDS-400AUS24 B	A	DECA 3-pin		16.67A	400W	3.8" × 7.8" × 1.6"	(€ ∞ ∞
	MEU-600C24T	AAA	DINKLE 3-pin		25.00A	600W	5.0" × 8.0" × 1.57"	(6 🔊 🖾 🗎
	MDS-100AP401 B	A	Molex 2-pin	5.1V/12V/-15V/15V	8A/3A/0.8A/0.8A	100W	3.0" × 5.0" × 1.2"	(6 🖓 🛚 💿
	MDS-300APB48*	AA	Molex 2-pin	48V	6.25A	300W	3.0" × 5.0" × 1.4"	((🔊 🖉))

*Product with options for enclosure or U-channel

Medical Power Supply Model Numbering

MDS	-	XXX						
Delta Medical Power Supply MDS-040APS series MDS-065APS series MDS-100APS series MDS-100BPS series MDS-400AUS series		Max power wattage in the product series. May be lower at some voltages. 040: 40W 065: 65W	Family Code A-Z	Product Type P: Open Frame U: U Frame	Input Type Code S: Single Output	Output Voltage 12: 12V 24: 24V	Input Configuration B: Class I 3-pin connector A: Class II 2-pin connector	CC Code For DC connector, label, etc. A: DC connector ¹⁾
MDS	-	XXX						
Delta Medical Power Supply MDS-100AP401		Max power wattage in the product series. May be lower at some voltages. 100: 100W	Family Code A	Product Type P: Open Frame	Output Voltage 401: 5.1V, 12V, -15V, 15V		Input Configuration B: Class I with PE connection	CC Code For DC connector, label, etc. A: DC connector ¹⁾
MDS	-	XXX						
Delta Medical Power Supply MDS-200A series MDS-250A series MDS-300A series MDS-400A series		Max power wattage in the product series. May be lower at some voltages. 200: 200W 250: 250W	Family Code A	Product Type P: Open Frame B: U Frame	Input TypeOutputClass II 2-pin connector:VoltageA, C, E, G12: 12VClass I 3-pin connector:24: 24VB, D, F, H24: 24V		CC Code For DC connector, label, etc. A: DC connector type ¹⁾	

1) Refer to technical datasheet or product catalog

MEU	-	XXX				
Delta Medical Power Supply U: U-channel		Max power wattage in the product series. May be lower at some voltages. 600: 600W	Family Code C	Output Voltage 24: 24V	Inlet Type T: Terminal	CC Code
MEU-600C series						

Product Type	Model Name	CC Code	Input Terminal	Output Voltage	Output Current	Output Power	Dimensions	Safety Standards
Enclosed	MDS-200ADB12	AA	Molex 2-pin		16.67A	200W	2.5″ × 4.5″ × 1.8″	((🔊 🖉))
Power Supply	MDS-250ADB12	AA	Molex 2-pin	101/	20.84A	250W	3.5" × 5.5" × 1.75"	(6 🔊 🖉 🛓
	MDS-300ADB12	AA	Molex 2-pin	12V	25.00A	300W	3.5" × 5.5" × 1.75"	((🖓 🖉 🌰
	MDS-400ADB12	AA	Molex 2-pin		33.33A	400W	3.5" × 5.5" × 1.75"	((🖓 🖉 🖾
	MDS-300ADB18	AA	Molex 2-pin	18V	16.66A	300W	3.5" × 5.5" × 1.75"	((🖓 🖤 🖾
	MDS-200ADB24	А	Molex 2-pin		8.33A	200W	2.5" × 4.5" × 1.8"	((🖓 🖉 🏹
	MDS-250ADB24	AA	Molex 2-pin		10.41A	250W	3.5" × 5.5" × 1.75"	((🕬 🖉 🍝
	MDS-300ADB24	AA	Molex 2-pin	24V	12.50A	300W	3.5" × 5.5" × 1.75"	((🖓 🖉 🖉
	MDS-400ADB24	AA	Molex 2-pin		16.67A	400W	3.5" × 5.5" × 1.75"	((🖓 🖉 🖉
	MEB-1K2A24T	AAA	DINKLE 3-pin		50.00A	1200W	5.0" × 8.03" × 1.59"	(6 🔊 🖉 🗎
	MDS-300ADB48	AA	Molex 2-pin	48V	6.25A	300W	3.5" × 5.5" × 1.75"	((🖓 🖉 🔬

Medical Power Supply Model Numbering

MDS	-	XXX					
Delta Medical Power Supply		Max power wattage in the product series. May be	Family Code	Product Type D: Enclosure	Input Type Class II 2-pin connector:	Output Voltage	CC Code For DC connector, label, etc.
MDS-200A series MDS-250A series		lower at some voltages. 200: 200W	A			12: 12V 24: 24V	A: DC connector type ¹⁾
MDS-300A series MDS-400A series		250: 250W			B, D, F, H		

1) Refer to technical datasheet or product catalog

MEB	-	XXX				
Delta Medical Power Supply B: Enclosed		Max power wattage in the product series. May be lower at some voltages. 1K2: 1,200W	Family Code A	Output Voltage 24: 24V	Inlet Type T: Terminal	CC Code
MEB-1K2A series						

Selection Guide Delta Standard Medical Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Model Name	CC Code	AC Inlet	Output Voltage	Output Current	Output Power	Dimensions	Safety Standards
ATX Power Supply	MDS-350AD701	AA	C14	+3.3V, +5V, +5Vsb, +12V1, +12V2, -12V, -5V	8A, 9A, 1.25A, 8A, 8A, 0.25A, 0.1A	350W	3.9″ × 7.6″ × 1.6″	(€ :‱ @
Adapter Power	MDS-005AAS05 A	R	Wall mount-China type		1.00A	5W	1.6" × 2.2" × 1.1"	∞ …⊮. ∋)
Supply	MDS-005AAS05 B	R	Wall mount-Japan, USA type	5V	1.00A	5W	1.6" × 2.2" × 1.1"	(€ ∞ ∞
	MDS-005AAS05 C	R	Wall mount-EU type	57	1.00A	5W	1.6" × 2.2" × 1.1"	(€ ☜
	MDS-030AAC05*		Duck Head		3.00A	15W	2.1" × 3.5" × 1.1"	(€ @
	MDS-005AAS06 A	R	Wall mount-China type		0.83A	5W	1.6" × 2.2" × 1.1"	(€ ∞ ∞
	MDS-005AAS06 B	R	Wall mount-Japan, USA type	6V	0.83A	5W	1.6" × 2.2" × 1.1"	۵۵ سلام، ۲۰
	MDS-005AAS06 C	R	Wall mount-EU type		0.83A	5W	1.6" × 2.2" × 1.1"	(€ ∞ @
	MDS-030AAC07*		Duck Head	7V	3.00A	21W	2.1" × 3.5" × 1.1"	() ····································
	MDS-030AAC12*		Duck Head		2.00A	24W	2.1" × 3.5" × 1.1"	() ····································
	MDS-060AAS12 B	A	C14	12V	5.00A	60W	2.4" × 5.3" × 1.3"	∞ …⊮ ∋)
	MDS-060BAS12 A	В	C8		5.00A	60W	2.4" × 5.3" × 1.3"	() ····································
	MDS-080AAS12 A		C8		6.66A	80W	3.0" × 5.9" × 1.6"	C € • 🔊
	MDS-150AAS12 B	A	C14		10.00A	120W	3.4" × 6.7" × 1.6"	(€ ∞ ∞
	MDS-030AAC15*		Duck Head		2.00A	30W	2.1" × 3.5" × 1.1"	(€ @
	MDS-060AAS15 B	A	C14	15V	4.00A	60W	2.4" × 5.3" × 1.3"	(€ ∞ ∞
	MDS-090AAS15 B	A	C14		6.00A	90W	2.4" × 5.9" × 1.4"	(€ @
	MDS-060AAS19 B	A	C14		3.20A	60W	2.4" × 5.3" × 1.3"	(€ ☜
	MDS-060BAS19 A	A	C8		3.15A	60W	2.4" × 5.3" × 1.3"	(€ ∞ ∞
	MDS-090AAS19 B	A	C14	19V	4.74A	90W	2.4" × 5.9" × 1.4"	(€ ∞ ∞
	MDS-150AAS19 B	A	C14		7.89A	150W	3.4" × 6.7" × 1.6"	(€ ☜
	MDS-150CAB19	AA	C6		7.90A	150W	2.6" × 5.9" × 1.3"	(€ ∞ ∞
	MDS-030AAC24*		Duck Head		1.25A	30W	2.1" × 3.5" × 1.1"	(€ ∞
	MDS-060AAS24 B	A	C14		2.50A	60W	2.4" × 5.3" × 1.3"	(€ :₩ @
	MDS-060BAS24 A	A	C8	24V	2.50A	60W	2.4" × 5.3" × 1.3"	(€ ∞ ∞
	MDS-090AAS24 B	A	C14	24V	3.75A	90W	2.4" × 5.9" × 1.4"	() ····································
	MDS-090BAS24 A	В	C8		3.75A	90W	3.0" × 5.9" × 1.6"	(€ :₩ @
	MDS-150AAS24 B	A	C14		6.25A	150W	3.4" × 6.7" × 1.6"	(€ ∞ ∞

*Please refer to technical datasheet to get detailed information

Medical Power Supply Model Numbering

MDS	-	XXX						
Delta Medical Power Supply MDS-350AD701		Max power wattage in the product series. May be lower at some voltages. 350: 350W	Family Code A	Product Type D: Enclosure	701: +3.3V, +5	Output Voltage 701: +3.3V, +5V, +5Vsb, +12V1, +12V2, -12V, -5V		CC Code
MDS	-	XXX						
Delta Medical Ma Power Supply Iow MDS-005AAS series Iow MDS-060AAS series 006		Max power wattage in the product series. May be lower at some voltages. 005: 5W 060: 60W		Product Type A: Adapter	# of Output S: Single Output	Output Voltage 12: 12V 24: 24V	Input Configuration A: C8 B: C14 C: NA	CC Code For DC plug, cable length, label, etc.
MDS-080AAS series MDS-090AAS series MDS-090BAS series MDS-150AAS series							A: CN B: US C: EU for 005AAS	
MDS	-	XXX						
Delta Medical Power Supply MDS-150CAB19A		Max power wattage in the product series. May be lower at some voltages. 150: 150W	Family Code C	Product Type A: Adapter	Input Type Class II C8/C1 Class I C6/C14	8: A, C, E, G 4: B, D, F, H	Output Voltage 19: 19V	CC Code AA-ZX Power cord length, plug, label, etc.
MDS	-	XXX	AAC					
Delta Medical Power Supply MDS-030 series		Max power wattage in the product series. May be lower at some voltages. 030: 30W	Family Code	Output Voltage 05: 5V 07: 7V 12: 12V 15: 15V ¹⁾ 24: 24V	(Single Output) CC Code DC plug type and output cable length A: 2.1 × 5.5 × 10 mm DC plug, and 1200 mm cable length B: 2.1 × 5.5 × 12 mm DC plug, and 1200 mm cable length ²⁾		CC Code Country duck-head type A: China G: Korea ^a B: United States ^a H: India ^a C: European ^a J: Argentina ^a D: United Kingdom K: Brazil ^a E: Australia ^a M: South Africa ^a	

1) MDS-030AAC15 BB is not available 2) Options

Standard Products Open Frame Power Supply



The MDS Open Frame series provides high performance and reliable solutions for internal power supplies in medical equipment or systems.

Typical Applications

Notes:



c SL US

All Delta Medical Power products conform to the European directive 2011/65/EU. RoHS is the abbreviation for "Restriction of the use of certain hazardous substances".

Delta has been certified for meeting the requirements of ISO 13485: 2003 and EN ISO 13485: 2012 for the design and production of switching power supplies and adaptors for medical devices.

In addition to the UL Total Certification Program (TCP) approved client laboratory for IEC 60950 and IEC 60065, Delta has also participated in the UL Client Test Data Program (CTDP) for IEC 60601.

MDS 040APS Open Frame Power Supply 12/15/18/24V 40 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Risk management report available
- 2" × 3" × 0.9" package
- 3 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	040APS12	040APS15	040APS18	040APS24					
Output Voltage	12V	15V	18V	24V					
Output Current (Max)	3.33A	2.67A	2.22A	1.67A					
Output Power	40W	40W	40W	40W					
Efficiency	86%	87%	87%	87%					
INPUT									
Input Voltage Range		90-	264Vac						
Ripple & Noise		<1% (25°C at 10uF/0.4)	7uF with 20MHz bandwidth)						
Load Regulation		:	±1%						
Leakage Current		<0.1mA normal condition,	<0.3mA SFC at 264Vac/63Hz						
Input Frequency		47	-63Hz						
MECHANICAL									
Dimensions (W \times L \times H)		50.80 × 76.20 × 23.0	0 mm (2.0 × 3.0 × 0.9 in)						
EMC & Emissions		EN 55011/EN 5503	2, FCC Title 47: Class B						
Connector Type		Input: JST 2P	B2P3-VH (LF) (SN)						
		Output: JST 4F	P B4P-VH (LF) (SN)						
Unit Weight		0.80 k	g (0.18 lb)						
MTBF		3 mill	ion hours						
ENVIRONMENT									
Operating Temperature		-10°C	to +70°C						
Storage Temperature		-40°C	to +85°C						
Operating Humidity		10-95% RH (Non-condensing)						
Operating Altitude		0-3,000 met	ers (0-9,840 feet)						
MEDICAL RATING									
Float Rating			В						
MOPP		2 × MOPP							

unit: mm

MDS 040APS



MDS 065APS Open Frame Power Supply 12/15/18/24V 65 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Risk management report available
- 2.5 million hours MTBF
- 2" × 4" × 1.2" package
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	065APS12	065APS15	065APS18	065APS24			
Output Voltage	12V	15V	18V	24V			
Output Current (Max)	5.42A	4.20A	3.61A	2.71A			
Output Power	65W	65W	65W	65W			
Efficiency	87%	88%	88%	88%			
INPUT							
Input Voltage Range		90-20	64Vac				
Ripple & Noise		<1% (25°C at 10uF/0.47u	IF with 20MHz bandwidth)				
Load Regulation		±1	1%				
Leakage Current		<0.1mA normal condition, <	0.3mA SFC at 264Vac/63Hz				
Input Frequency		47-6	63Hz				
MECHANICAL							
Dimensions (W \times L \times H)		50.80 × 101.60 × 30.00	0 mm (2.0 × 4.0 × 1.2 in)				
EMC & Emissions		EN 55011/EN 55032,	FCC Title 47: Class B				
Connector Type	Input: JST 2P B2P3-VH (LF) (SN)						
	Output: JST 4P B4P-VH (LF) (SN)						
Unit Weight		0.13 kg	(0.29 lb)				
MTBF		2.5 milli	on hours				
ENVIRONMENT	-						
Operating Temperature		-10°C t	o +70°C				
Storage Temperature		-40°C t	o +85°C				
Operating Humidity		10-95% RH (N	on-condensing)				
Operating Altitude		0-3,000 meter	s (0-9,840 feet)				
MEDICAL RATING							
Float Rating		I	В				
MOPP		2 × N	ЛОРР				

unit: mm



Adapter Power Supply

MDS 100APS Open Frame Power Supply 12/15/18/24V 100 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- 1.528 (for 12V), 2.313 (for 15V), 2.442 (for 18V), 3.174 (for 24V) million hours MTBF
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Risk management report available
- 3" × 5" × 1.2" package
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	100APS12	100APS15	100APS18	100APS24							
Output Voltage	12V	15V	18V	24V							
Output Current (Max)	8.33A	6.67A	5.55A	4.17A							
Output Power	100W	100W	100W	100W							
Efficiency	89%	91%	91%	91%							
INPUT											
Input Voltage Range		90-264Vac									
Ripple & Noise		<1% (25°C at 10uF/0.47)	uF with 20MHz bandwidth)								
Load Regulation		±	1%								
Leakage Current		<0.1mA normal condition, <	<0.3mA SFC at 264Vac/63Hz								
Input Frequency		47-	63Hz								
MECHANICAL											
Dimensions (W \times L \times H)		76.20 × 127.00 × 31.0	0 mm (3.0 × 5.0 × 1.2 in)								
EMC & Emissions		EN 55011/EN 55032	, FCC Title 47: Class B								
Connector Type		Input: JST 2P B	32P3-VH (LF) (SN)								
	Earth terminal: Kang Yang PC250										
	Output: JST 8P B8P-VH (LF) (SN)										
Unit Weight		0.12 kg) (0.26 lb)								
MTBF		3 millio	on hours								
ENVIRONMENT											
Operating Temperature		-10°C 1	to +70°C								
Storage Temperature		-40°C 1	to +85°C								
Operating Humidity			lon-condensing)								
Operating Altitude		0-3,000 meter	rs (0-9,840 feet)								
MEDICAL RATING											
Float Rating			В								
MOPP		2 × 1	MOPP								



MDS 100BPS Open Frame Power Supply 12/15/18/24V 100 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- 80W with convection cooling; 100W with forced air cooling
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety management report available
- 2" × 4" × 1.25" package
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	100BPS12	100BPS15	100BPS18	100BPS24
Output Voltage	12V	15V	18V	24V
Output Current (Max)	8.33A	6.70A	5.50A	4.20A
Output Power	100W	100W	100W	100W
Efficiency	87%	88%	88%	89%
INPUT				
Input Voltage Range			90-264Vac	
Ripple & Noise		<1% (25°C at	10uF/0.47uF with 20MHz bandwid	lth)
Load Regulation			±1%	
Leakage Current		<0.1mA normal of	condition, <0.3mA SFC at 264Vac/	63Hz
Input Frequency		47-63Hz		
MECHANICAL				
Dimensions (W \times L \times H)	50.80 × 101.60 × 31.80 mm (2.0 × 4.0 × 1.25 in)			
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B			
Connector Type	Input: JST 2P B2P3-VH (LF) (SN)			
	Earth terminal: Kang Yang PCH250			
	Output: JST 4P B4P-VH (LF) (SN)			
Unit Weight			0.15 kg (0.33 lb)	
MTBF			1 million hours	
ENVIRONMENT				
Operating Temperature			-10°C to +70°C	
Storage Temperature		-40°C to +85°C		
Operating Humidity		10-95% RH (Non-condensing)		
Operating Altitude		0-5,	000 meters (0-16,400 feet)	
MEDICAL RATING				
Float Rating	В			
MOPP		2 × MOPP		

unit: mm



Adapter Power Supply

Enclosed Power Supply

ATX Power Supply

MDS 100AP401 Open Frame Power Supply 5.1/12/-15/15V 100 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements •
- Risk management report available
- 1 million hours MTBF •
- 2 × MOPP isolation •
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	100AP401			
Output Voltage	5.1V	12V	-15V	15V
Output Current (Max)	8A	3A	0.8A	0.8A
Output Power (Convection)		65	5W	
Output Power (Forced Air)		10	0W	
Efficiency		75	5%	
INPUT	_			
Input Voltage Range		90-20	64Vac	
Ripple & Noise		<1% (25°C at 10uF/0.47u	IF with 20MHz bandwidth)	
Load Regulation	±2%	±1%	±3%	±3%
Leakage Current	<0.1mA normal condition, <0.3mA SFC at 264Vac/63Hz			
Input Frequency	47-63Hz			
MECHANICAL				
Dimensions (W \times L \times H)	76.20 × 127.00 × 30.50 mm (3.0 × 5.0 × 1.2 in)			
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B			
Connector Type	Input: Molex 2P 09-65-2029			
	Earth terminal: Kang Yang PCH250			
	Output: Molex 12P 09-65-2128			
Unit Weight			(0.55 lb)	
MTBF		1 millio	n hours	
ENVIRONMENT				
Operating Temperature			o +70°C	
Storage Temperature	-40°C to +85°C			
Operating Humidity	5-95% RH (Non-condensing)			
Operating Altitude		0-5,000 meters	s (0-16,400 feet)	
MEDICAL RATING				
Float Rating	В			
MOPP	2 × MOPP			

unit: mm

MDS 100AP401 127.0±0.5 30.5 ± 1.0 115.6 ± 0.5 ∲⊞ 76.2 ± 0.5 64.8 ± 0.5 CN101 CN 1.2 3.0 (Max.)

MDS 200APB Open Frame Power Supply 12/24V 200 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- Class B EMI (all models); 4th Edition Immunity Compliance (12V models only)
- Up to 140W with convection cooling; 200W with forced air cooling
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Enclosed cover design option available
- Suitable for type BF medical product
- Up to 800K hours MTBF
- 2" × 4" × 1.4" package
- Power Good signal

GENERAL SPECIFICATIONS

	00040010	00040004
OUTPUT	200APB12	200APB24
Output Voltage	12V	24V
Output Current (Max)	16.67A	8.33A
Output Power (Convection)	130W	140W
Output Power (Forced Air)	200W	200W
Efficiency	91% @ 115V, 93% @ 230V	94%
INPUT		
Input Voltage Range		90-264Vac
Ripple & Noise		<1% (25°C at 10uF/0.47uF with 20MHz bandwidth)
Load Regulation		±1%
Leakage Current		<0.1mA normal condition, <0.3mA SFC at 264Vac/63Hz
Input Frequency		47-63Hz
MECHANICAL		
Dimensions (W \times L \times H)	50.80 × 101.60 × 35.60 mm (2.0 × 4.0 × 1.4 in)	
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B	
Connector Type	Input: Molex 171813-9998 or Equivalent	
	Earth terminal: PINGOOD JP-13T Output: JST B4P-VH(LF)(SN)	
		Signal connector: Molex 87438-0243
Unit Weight		0.20 kg (0.44 lb)
MTBF		800K hours
ENVIRONMENT		
Operating Temperature		-10°C to +70°C
Storage Temperature		-40°C to +85°C
Operating Humidity	5-95% RH (Non-condensing)	
Operating Altitude	0-5,000 meters (0-16,400 feet)	
MEDICAL RATING		
Float Rating		BF
MOPP	2 × MOPP	

unit: mm



ATX Power Supply

Open Frame Power Supply

Enclosed Power Supply

MDS 250APB Open Frame Power Supply 12/24V 250 WATTS



HIGHLIGHTS & FEATURES

- Power Good signal, Remote Sense, Remote Inhibit
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Up to 150W with convection cooling; 250W with forced air cooling
- Class B EMI; 4th Edition Immunity Compliance
- Safety rated for medical and IT applications
- Enclosed cover design option available
- Suitable for type BF medical product
- Up to 500K hours MTBF
- 3" × 5" × 1.4" package

GENERAL SPECIFICATIONS

OUTPUT	250APB12	250APB24
Output Voltage	12V	24V
Output Current (Max)	20.84A	10.41A
Output Power (Convection)	150W	150W
Output Power (Forced Air)	250W	250W
Efficiency	9	1%
INPUT		
Input Voltage Range	90-2	64Vac
Ripple & Noise	<1% (25°C at 10uF/0.47)	uF with 20MHz bandwidth)
Load Regulation	±	1%
Leakage Current	<0.1mA normal condition, <	<0.3mA SFC at 264Vac/60Hz
Input Frequency	47-	63Hz
MECHANICAL		
Dimensions (W \times L \times H)	76.50 × 127.30 × 36.10 mm (3.0 × 5.0 × 1.4 in)	
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B	
	Class II model: EN 55011/EN 55032, FCC: Class B for conducted, Class A for radiated	
Connector Type	Input: Molex 17181	3-9998 or Equivalent
	Earth terminal: F	PINGOOD JP-13T
	Output: Kang Yang PCB-12	
	Signal Connector:	Molex 104141-1010
Unit Weight	0.41 kg	(0.89 lb)
MTBF	500K	(hours
ENVIRONMENT		
Operating Temperature	-10°C 1	to +70°C
Storage Temperature	-40°C 1	to +85°C
Operating Humidity	5-95% RH (Non-condensing)	
Operating Altitude	0-5,000 meters (0-16,400 feet)	
MEDICAL RATING		
Float Rating	BF	
MOPP	2 × MOPP	



MDS 300APB Open Frame Power Supply 12/18/24/48V 300 WATTS



HIGHLIGHTS & FEATURES

- Power Good signal, Remote Sense, Remote Inhibit
- Class B EMI (all models); 4th Edition Immunity Compliance (12 & 24V models only)
- Up to 240W with convection cooling; 300W with forced air cooling
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety rated for medical and IT applications
- Suitable for type BF medical products
- Enclosed cover kit design available
- Up to 800K hours MTBF
- 3" × 5" × 1.4" package

GENERAL SPECIFICATIONS

OUTPUT	300APB12	300APB18	300APB24	300APB48
Output Voltage	12V	18V	24V	48V
Output Current (Max)	25.00A	16.66A	12.50A	6.25A
Output Power (Convection)	220W	220W	240W	240W
Output Power (Forced Air)	300W	300W	300W	300W
Efficiency		9	4%	
INPUT				
Input Voltage Range		90-2	264Vac	
Ripple & Noise		<1% (25°C at 10uF/0.47	uF with 20MHz bandwidth)	
Load Regulation		±	1%	
Leakage Current		<0.1mA normal condition,	<0.3mA SFC at 264Vac/63Hz	
Input Frequency	47-63Hz			
MECHANICAL				
Dimensions (W \times L \times H)	76.20 × 127.00 × 35.60 mm (3.0 × 5.0 × 1.4 in)			
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B			
Connector Type	Input: Molex 171813-9998 or Equivalent Earth terminal: PINGOOD JP-13T Output: Kang Yang PCB-12			
		Signal connector:	Molex 104141-1010	
Unit Weight		0.41 kg	g (0.89 lb)	
MTBF		8001	(hours	
ENVIRONMENT				
Operating Temperature		-10°C	to +70°C	
Storage Temperature		-40°C	to +85°C	
Operating Humidity		5-95% RH (N	on-condensing)	
Operating Altitude	0-5,000 meters (0-16,400 feet)			
MEDICAL RATING				
Float Rating	BF			
MOPP	2 × MOPP			

unit: mm



Adapter Power Supply

Enclosed Power Supply

ATX Power Supply

MDS 400APB Open Frame Power Supply 12/24V 400 WATTS



HIGHLIGHTS & FEATURES

- Power Good signal, Remote Sense, Remote Inhibit
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Up to 200W with convection cooling; 400W with forced air cooling
- Class B EMI (all models); 4th Edition Immunity Compliance (12V models only)
- Safety rated for medical and IT applications
- Enclosed cover design option available
- Suitable for type BF medical product
- 5V standby and 12V fan outputs
- Up to 800K hours MTBF
- 3" × 5" × 1.4" package

GENERAL SPECIFICATIONS

OUTPUT	400APB12	400APB24	
Output Voltage	12V	24V	
Output Current (Max)	33.33A	16.66A	
Output Power (Convection)	200W	200W	
Output Power (Forced Air)	400W	400W	
Efficiency	89.5% @ 115V, 91.5% @ 230V	92% @ 115V, 93% @ 230V	
INPUT			
Input Voltage Range		90-264Vac	
Ripple & Noise	<1% (25°C at 10u	uF/0.47uF with 20MHz bandwidth)	
Load Regulation		±1%	
Leakage Current	<0.1mA normal con	dition, <0.3mA SFC at 264Vac/60Hz	
Input Frequency		47-63Hz	
MECHANICAL			
Dimensions (W \times L \times H)	76.20 × 127.00 × 35.60 mm (3.0 × 5.0 × 1.4 in)		
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B		
Connector Type	Input: Molex 171813-9998 or Equivalent Earth terminal: PINGOOD JP-13T		
	Outpu	ut: Kang Yang PCB-12	
	Signal Con	nector: Molex 104141-1010	
	Fan output connector: JST B2B-PH-K-S(LF)(SN)	Fan output connector: JST S2B-PH-SM4-TB(LF)(SN)	
Unit Weight		0.41 kg (0.89 lb)	
MTBF		500K hours	
ENVIRONMENT			
Operating Temperature		-10°C to +70°C	
Storage Temperature	-40°C to +85°C		
Operating Humidity	5-95% RH (Non-condensing)		
Operating Altitude	0-5,000 meters (0-16,400 feet)		
MEDICAL RATING			
Float Rating	BF		
MOPP	2 × MOPP		





MDS 400AUS Open Frame Power Supply 19/24V 400 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Up to 300W with convection cooling, 400W with forced air
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- Risk management report available
- 2 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty
- Remote sense

GENERAL SPECIFICATIONS

	400411040	400411004
OUTPUT	400AUS19	400AUS24
Output Voltage	19V	24V
Output Current (Max)	21.10A	16.67A
Output Power (Convection)	300W	300W
Output Power (Forced Air)	400W	400W
Efficiency	91%	92%
INPUT		
Input Voltage Range	90-2	264Vac
Ripple & Noise	<1% (25°C at 10uF/0.47	uF with 20MHz bandwidth)
Load Regulation	±	2%
Leakage Current	<0.1mA normal condition,	<0.3mA SFC at 264Vac/63Hz
Input Frequency	47-63Hz	
MECHANICAL		
Dimensions (W \times L \times H)	97.00 × 198.00 × 41.50 mm (3.8 × 7.8 × 1.6 in)	
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B	
Connector Type	Input: DECA 3P T33-BM1103A301	
	Output: DECA 4P T33-BM1104A301	
	Output: JWT 2P A2508WV0-2P	
Unit Weight	0.91 kg (2.01 lb)	
MTBF	2 millio	on hours
ENVIRONMENT		
Operating Temperature	-10°C to +70°C	
Storage Temperature	-40°C to +85°C	
Operating Humidity	10-95% RH (Non-condensing)	
Operating Altitude	0-3,000 meters (0-9,840 feet)	
MEDICAL RATING		
Float Rating		В
MOPP	2 ×	МОРР

- 32UNC (4X)

unit: mm

MDS 400AUS

Adapter Power Supply

MEU 600C Open Frame Power Supply 24V 600 WATTS



HIGHLIGHTS & FEATURES

- Up to 600W convection cooled
- Full power from 90V to 264V, up to 50°C ambient
- Up to 500K hours MTBF
- 2 × MOPP isolation, Suitable for type BF medical products
- 5V/1A standby output
- 12V/0.6A fan output for system
- Class B Conducted and Radiated EMI
- IEC 60601-1-2 4th Edition Immunity Compliance
- PMBus Ver 1.3 supported
- 5" × 8" × 1.57" package

GENERAL SPECIFICATIONS

OUTPUT	600C24T	
Output Voltage	24V	
Output Current (Max)	25.00A	
Output Power (Convection)	600W	
Efficiency	94.5%	
INPUT		
Input Voltage Range	90-264Vac	
Ripple & Noise	1%	
Load Regulation	2%	
Leakage Current	100uA @ NC, 300uA @ SFC touch current, 300uA @ NC, 1000uA @ SFC earth leakage	
Input Frequency	47-63HZ	
MECHANICAL		
Dimensions (W \times L \times H)	127.00 × 203.20 × 40.00 mm (5.0 × 8.0 × 1.57 in)	
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B	
Connector Type	Input terminal: DINKLE DT-35-B01W-03	
	Output terminal mating screw: M5*0.8*8	
	Control connector: Molex 87833-1420	
	Communication connector: Molex 87833-1031	
	Fan output connector (CN801): JST:S2B-PH-SM4-TB	
Unit Weight	1.30 kg (2.87 lb)	
MTBF	500K hours	
ENVIRONMENT		
Operating Temperature	-20°C to +70°C	
Storage Temperature	-40°C to +85°C	
Operating Humidity	5-95% RH (Non-condensing)	
Operating Altitude	0-5,000 meters (0-16,400 feet)	
MEDICAL RATING		
Float Rating	BF	
MOPP	2 × MOPP	



Standard Products Enclosed Power Supply



Most of the MDS series of enclosed power supplies are certified with both medical and ITE safety approvals. Encased in strong metal casing, the series of versatile products can be used in a wide variety of equipment for medical and ITE applications.

Typical Applications

Notes:



n **FL** US

All Delta Medical Power products conform to the European directive 2011/65/EU. RoHS is the abbreviation for "Restriction of the use of certain hazardous substances".

Delta has been certified for meeting the requirements of ISO 13485: 2003 and EN ISO 13485: 2012 for the design and production of switching power supplies and adaptors for medical devices.

In addition to the UL Total Certification Program (TCP) approved client laboratory for IEC60950 and IEC60065, Delta has also participated in the UL Client Test Data Program (CTDP) for IEC 60601.

MDS 200ADB Enclosed Power Supply 12/24V 200 WATTS



HIGHLIGHTS & FEATURES

- Up to 120W with convection cooling; 200W with forced air cooling
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- 2.5" × 4.5" × 1.8" Package with enclosure
- Suitable for type BF medical product
- IT & Medical Safety Approvals
- Up to 800K Hours MTBF
- Power Good signal

GENERAL SPECIFICATIONS

OUTPUT	200ADB12	200ADB24	
Output Voltage	12V	24V	
Output Current (Max)	16.67A with 8.5 CFM forced air	8.33A with 5.5 CFM forced air	
Output Power (Convection)	110W	120W	
Output Power (Forced Air)	200W	200W	
Efficiency	91% @ 115V/60Hz, 93% @ 230V/50Hz	92% @ 115V/60Hz, 93% @ 230V/50Hz	
INPUT			
Input Voltage Range		90-264Vac	
Ripple & Noise		1% pk-pkVrated @ Full load	
Load Regulation		±1%	
Leakage Current		0.1mA @ NC, 0.3mA @ SFC	
Input Frequency		47-63Hz	
MECHANICAL			
Dimensions (W \times L \times H)	64.70 :	: 113.90 × 44.70 mm (2.5 × 4.5 × 1.8 in)	
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B		
Connector Type	Input: Molex 171813-9998 or Equivalent		
	Earth terminal: PINGOOD JP-13T		
		Output: JST B4P-VH(LF)(SN)	
	Si	gnal connector: Molex 87438-0243	
Unit Weight		0.35 kg (0.76 lb)	
MTBF	800K hours		
ENVIRONMENT			
Operating Temperature		-10°C to +70°C	
Storage Temperature	-40°C to +85°C		
Operating Humidity	5-95% RH (Non-condensing)		
Operating Altitude	0-5,000 meters (0-16,400 feet)		
MEDICAL RATING			
Float Rating	BF		
MOPP	2 × MOPP		





MDS 250ADB Enclosed Power Supply 12/24V 250 WATTS



HIGHLIGHTS & FEATURES

- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Up to 135W with convection cooling; 250W with forced air cooling
- 3.5" × 5.5" × 1.75" Package with enclosure
- Suitable for type BF medical products
- IT & Medical Safety Approvals
- Up to 500K Hours MTBF
- Remote on/off control
- Power Good signal

GENERAL SPECIFICATIONS

OUTPUT	250ADB12	250ADB24	
Output Voltage	12V	24V	
Output Current (Max)	20.84A with 10 CFM forced air	10.41A with 10 CFM forced air	
Output Power (Convection)	135W	135W	
Output Power (Forced Air)	250W	250W	
Efficiency	89.45% @ 115V, 90.50% @ 230V	91.85% @ 115V, 92.98% @ 230V	
INPUT	_		
Input Voltage Range		90-264Vac	
Ripple & Noise		1% pk-pk Vrated @ 250W load	
Load Regulation		±1%	
Leakage Current		0.1mA @ NC, 0.3mA @ SFC, 0.1mA @ NC, 0.5mA @ SFC	
Input Frequency	47-63Hz		
MECHANICAL			
Dimensions (W \times L \times H)	88.90 × 140.00 × 44.40 mm (3.5 × 5.5 × 1.75 in)		
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B		
Connector Type	Input: Molex 171813-9998 or Equivalent		
		Earth terminal: PINGOOD JP-13T	
	Output: Kang Yang PCB-12		
		Signal connector: Molex 104141-1010	
Unit Weight		0.61 kg (1.35 lb)	
MTBF		500K hours	
ENVIRONMENT			
Operating Temperature		-10°C to +70°C	
Storage Temperature	-40°C to +85°C		
Operating Humidity	5-95% RH (Non-condensing)		
Operating Altitude		0-5,000 meters (0-16,400 feet)	
MEDICAL RATING			
Float Rating	BF		
MOPP	2 × MOPP		

unit: mm



Adapter Power Supply

MDS 300ADB Enclosed Power Supply 12/18/24/48V 300 WATTS



HIGHLIGHTS & FEATURES

- Up to 210W with convection cooling; 300W with forced air cooling
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- 3.5" × 5.5" × 1.75" Package with enclosure
- Suitable for type BF medical products
- IT & Medical Safety Approvals
- Up to 800K Hours MTBF
- Remote on/off control
- Power Good signal

GENERAL SPECIFICATIONS

OUTPUT	300ADB12	300ADB18	300ADB24	300ADB48
Output Voltage	12V	18V	24V	48V
Output Current (Max)	25.00A with 10 CFM forced air	16.66A with 10 CFM forced air	12.50A with 10 CFM forced air	6.25A with 10 CFM forced air
Output Power (Convection)	190W	190W	210W	210W
Output Power (Forced Air)	300W	300W	300W	300W
Efficiency	91.3% @ 115V, 92.6% @ 230V	92.5% @ 115V, 93.5% @ 230V	93% @ 115V, 94% @ 230V	92.5% @ 115V, 93.5% @ 230V
INPUT				
Input Voltage Range		90-2	64Vac	
Ripple & Noise		1% pk-pk Vrat	ed @ 300W load	
Load Regulation		±	1%	
Leakage Current		<0.1mA @ NC, 0.3mA @ SFC	s, <0.1mA @ NC, 0.5mA @ SFC	
Input Frequency		47-	63Hz	
MECHANICAL				
Dimensions (W \times L \times H)	88.90 × 140.00 × 44.40 mm (3.5 × 5.5 × 1.75 in)			
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B			
Connector Type	Input: Molex 171813-9998 or Equivalent			
		Earth terminal: F	PINGOOD JP-13T	
		Output: Kang	y Yang PCB-12	
		Signal connector:	Molex 104141-1010	
Unit Weight		0.61 kg	(1.35 lb)	
MTBF		800k	Chours	
ENVIRONMENT				
Operating Temperature		-10°C 1	to +70°C	
Storage Temperature	-40°C to +85°C			
Operating Humidity	5-95% RH (Non-condensing)			
Operating Altitude		0-5,000 meter	s (0-16,400 feet)	
MEDICAL RATING				
Float Rating	BF			
MOPP		2 × 1	NOPP	



MDS 400ADB Enclosed Power Supply 12/24V 400 WATTS



HIGHLIGHTS & FEATURES

- Compliant with IEC 60601-1-2 4th Ed. Requirements
- 3.5" × 5.5" × 1.75" Package with enclosure
- Suitable for type BF medical products
- Up to 400W with forced air cooling
- IT & Medical Safety Approvals
- Up to 500K Hours MTBF
- Remote on/off control
- Power Good signal
- 12V Fan output

GENERAL SPECIFICATIONS

	1004 0010	40040004	
OUTPUT	400ADB12	400ADB24	
Output Voltage	12V	24V	
Output Current (Max)	33.33A with 20 CFM forced air	16.67A with 16 CFM forced air	
Output Power (Convection)	400W	400W	
Efficiency	89.5% @ 115V/60Hz, 91.5% @ 230V/50Hz	92% @ 115V/60Hz, 93% @ 230V/50Hz	
INPUT			
Input Voltage Range		90-264Vac	
Ripple & Noise	150mVpk-pkVrated @ Full load	1%pk-pkVrated @ Full load	
Load Regulation		±1%	
Leakage Current	0.1	mA @ NC, 0.3mA @ SFC	
Input Frequency		47-63Hz	
MECHANICAL			
Dimensions (W \times L \times H)	88.90 × 140.00 × 44.40 mm (3.5 × 5.5 × 1.75 in)		
EMC & Emissions	Class I model: EN 55011/EN 55032, FCC Title 47: Class B		
Connector Type	Input: Molex 171813-9998 or Equivalent Earth terminal: PINGOOD JP-13T		
	Ou	tput: Kang Yang PCB-12	
	Signal c	onnector: Molex 104141-1010	
	Fan output connector: JST B2B-PH-K-S(LF)(SN)	Fan output connector: JST S2B-PH-SM4-TB(LF)(SN)	
Unit Weight		0.61 kg (1.35 lb)	
MTBF		500K hours	
ENVIRONMENT			
Operating Temperature		-10°C to +70°C	
Storage Temperature	-40°C to +85°C		
Operating Humidity	5-95% RH (Non-condensing)		
Operating Altitude	0-5,000 meters (0-16,400 feet)		
MEDICAL RATING			
Float Rating	BF		
MOPP	2 × MOPP		





MEB 1K2 Enclosed Power Supply 24V 1200 WATTS



HIGHLIGHTS & FEATURES

- Up to 1200W in 5" × 8.03" × 1.59" package
- Full power from 90V to 264V, up to 50°C ambient
- Up to 500K hours MTBF
- 2 × MOPP isolation, Suitable for type BF medical products
- Current sharing
- 5V/2A standby output
- Class B Conducted and Radiated EMI
- IEC 60601-1-2 4th Edition Immunity Compliance
- PMBus Ver 1.3 supported
- Intelligent fan speed control

GENERAL SPECIFICATIONS

OUTPUT	1K2A24							
Output Voltage	24V							
Output Current (Max)	50.00A							
Output Power (Forced Air)	1200W							
Efficiency	93%							
INPUT								
Input Voltage Range	90-264Vac							
Ripple & Noise	1%							
Load Regulation	2%							
Leakage Current	100uA @ NC, 300uA @ SFC touch current, 300uA @ NC, 1000uA @ SFC earth leakage							
Input Frequency	47-63Hz							
MECHANICAL								
Dimensions (W \times L \times H)	127.00 × 204.00 × 40.50 mm (5.0 × 8.03 × 1.59 in)							
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B							
Connector Type	Input terminal: ANYTEK YK50A							
	Output terminal mating screw: M5*0.8*8							
	Control connector: Molex 87833-7420							
	Communication connector: Molex 87833-1051							
Unit Weight	1.50 kg (3.30 lb)							
MTBF	500K hours							
ENVIRONMENT								
Operating Temperature	-20°C to +70°C							
Storage Temperature	-40°C to +85°C							
Operating Humidity	5-95% RH (Non-condensing)							
Operating Altitude	0-5,000 meters (0-16,400 feet)							
MEDICAL RATING								
Float Rating	BF							
MOPP	2 × MOPP							



Standard Products ATX Power Supply



Highly reliable design with ATX standard form factor and output cable pin-outs. Certified with medical standards and suitable for use in medical devices with Type BF classification.

Typical Applications

Notes:



c SU'us

All Delta Medical Power products conform to the European directive 2011/65/EU. RoHS is the abbreviation for "Restriction of the use of certain hazardous substances".

Delta has been certified for meeting the requirements of ISO 13485: 2003 and EN ISO 13485: 2012 for the design and production of switching power supplies and adaptors for medical devices.

In addition to the UL Total Certification Program (TCP) approved client laboratory for IEC 60950 and IEC 60065, Delta has also participated in the UL Client Test Data Program (CTDP) for IEC 60601.

MDS 350AD701 ATX Power Supply ATX 12V 1U



HIGHLIGHTS & FEATURES

- IEC 60601-1 3.1 Ed. (Medical) & IEC 60950-1 (ITE) approvals
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Suitable for type BF patient access applications
- ATX 12V standard function & form factor
- Maximum output power of 350 watts
- Built-in active PFC

GENERAL SPECIFICATIONS

OUTPUT	350AD701										
Output Voltage	+3.3V	+5V	+5Vsb	+12V1	+12V2	-12V	-5V				
Output Current	8.00A	9.00A		8.00A	8.00A	0.25A	0.10A				
Output Power (Convection)	350W										
Efficiency	82% @ 115Vac/60Hz, 85% @ 230Vac/50Hz										
INPUT											
Input Voltage Range				90-264Va	C						
Ripple & Noise		50mVpp	150mVpp		120mVpp		50mVpp				
Load Regulation			±5%				±10%				
Leakage Current				0.1mA @ NC, 0.3r	nA @ SFC						
Input Frequency				47-63Hz	:						
MECHANICAL											
Dimensions ($W \times L \times H$)			100.00 ×	194.00 × 40.50 mr	n (3.9 × 7.6 × 1.6 in)						
EMC & Emissions			EN 550	11/EN 55032, FCC	C Title 47: Class B						
Connector Type			P1:	Molex 39-01-2240	or Equivalent						
			P2:	Molex 39-01-2080	or Equivalent						
			P3:	Molex 39-01-2040	or Equivalent						
Unit Weight				1.20 kg (2.6	5 lb)						
MTBF				500K hou	rs						
ENVIRONMENT											
Operating Temperature				0°C to +50	°C						
Storage Temperature				-40°C to +8	5°C						
Operating Humidity	5-95% RH (Non-condensing)										
Operating Altitude			C	0-5,000 meters (0-1	16,400 feet)						
MEDICAL RATING											
Float Rating				BF							
MOPP				2 × MOP	P						



Standard Products

Adapter Power Supply



The MDS Adapters series rides on Delta's market leading adapter technology to provide the same high quality external power supplies for medical systems and equipments.

Typical Applications



Notes:



c SU'us

All Delta Medical Power products conform to the European directive 2011/65/EU. RoHS is the abbreviation for "Restriction of the use of certain hazardous substances".

Delta has been certified for meeting the requirements of ISO 13485: 2003 and EN ISO 13485: 2012 for the design and production of switching power supplies and adaptors for medical devices.

In addition to the UL Total Certification Program (TCP) approved client laboratory for IEC 60950 and IEC 60065, Delta has also participated in the UL Client Test Data Program (CTDP) for IEC 60601.

MDS 005AAS Adapter Power Supply 5/6V 5 WATTS



HIGHLIGHTS & FEATURES

- MDS-005AAS05 meet DOE Level VI & ErP 2017
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- Risk management report available
- Small size and low weight
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	005AAS05	005AAS06				
Output Voltage	5V	6V				
Output Current (Max)	1.00A	0.83A				
Output Power	5W	5W				
Average Efficiency	73.63%	72.40%				
INPUT						
Input Voltage Range		90-264Vac				
Ripple & Noise		<200mV (25°C at 10uF/0.47uF with 20MHz bandwidth)				
Load Regulation		±10%				
Leakage Current		<0.1mA normal condition, <0.3mA SFC at 264Vac/63Hz				
Input Frequency		47-63Hz				
MECHANICAL						
Dimensions (W \times L \times H)	39.50 × 56.50 × 28.00 mm (1.6 × 2.2 × 1.1 in)					
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B					
Connector Type		Input: Wall mount – US & EU & CN type				
	Output: O type/Barrel type/Tuning fork type/Micro USB-B type					
Unit Weight		0.10 kg (0.22 lb)				
MTBF	1 million hours					
ENVIRONMENT						
Operating Temperature		0°C to +40°C				
Storage Temperature		-40°C to +85°C				
Operating Humidity		5-95% RH (Non-condensing)				
Operating Altitude	0-3,000 meters (0-9,840 feet)					
Degree of Protection	IP22					
Protection Against Shock	Class II					
MEDICAL RATING						
Float Rating		BF				
MOPP		2 × MOPP				



MDS 030AAC Adapter Power Supply 5/7/12/15/24V 30 WATTS



HIGHLIGHTS & FEATURES

- MDS-030AAC05, 12, 15, 24 Meet DOE Level VI & ErP 2017
- Low Leakage Current. Suitable for type BF applications
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Detachable AC plug with multiple country options
- Class B EMI; 4th Edition Immunity Compliance •
- Safety rated for medical and IT applications •
- 2 × MOPP isolation •
- 500K hours MTBF
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	030AAC05	030AAC07	030AAC12	030AAC15	030AAC24			
Output Voltage	5V	7V	12V	15V	24V			
Output Current (Max)	3.00A	3.00A	2.00A	2.00A	1.25A			
Output Power	15W	21W	24W	30W	30W			
Average Efficiency	81.40%	81.40%	86.21%	87.00%	87.00%			
INPUT								
Input Voltage Range			90-264Vac					
Ripple & Noise	100)mVpk-pk	150mVpk-pk	200r	mVpk-pk			
Load Regulation			±5%					
Leakage Current		0.1mA	@ 264Vac NC, 0.3mA @ 264	4Vac SFC				
Input Frequency			47-63Hz					
MECHANICAL								
Dimensions (W \times L \times H)	53.50 × 88.00 × 27.50 mm (2.11 × 3.46 × 1.08 in)							
EMC & Emissions		EN 55	5011/EN 55032, FCC Title 47	: Class B				
Connector Type		Input: Wall	mount-CN/US/EU/UK/AU/KF	R/IN/AR/BZ/SA				
		0	utput: Barrel type/Tuning fork	c type				
Unit Weight			0.15 kg (0.33 lb)					
MTBF			500K hours					
ENVIRONMENT								
Operating Temperature			0°C to +40°C					
Storage Temperature			-40°C to +85°C					
Operating Humidity			10-95% RH (Non-condensing	ng)				
Operating Altitude			0-5,000 meters (0-16,400 fe	et)				
Degree of Protection	IP22							
Protection Against Shock	Class II							
MEDICAL RATING								
Float Rating			BF					
MOPP			$2 \times MOPP$					



MDS 060AAS Adapter Power Supply 12/15/19/24V 60 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- MDS-060AAS15, 19 meet DOE Level VI & ErP 2017
- MDS-060AAS24 meet DOE Level VI
- Class I protection against shock
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	060AAS12	060AAS15	060AAS19	060AAS24
Output Voltage	12V	15V	19V	24V
Output Current (Max)	5.00A	4.00A	3.20A	2.50A
Output Power	60W	60W	60W	60W
Average Efficiency	87%	88%	88%	88%
NPUT				
nput Voltage Range			90-275Vac	
Ripple & Noise		<1% (25°C at	t 10uF/0.47uF with 20MHz bandwidt	th)
Load Regulation			±5%	
Leakage Current		<0.1mA normal	condition, <0.3mA SFC at 264Vac/6	63Hz
nput Frequency			47-63Hz	
MECHANICAL				
Dimensions (W \times L \times H)		62.00 × 13	$5.00 \times 34.10 \text{ mm} (2.4 \times 5.3 \times 1.3 \text{ in})$	
EMC & Emissions		EN 5501	I/EN 55032, FCC Title 47: Class B	
Connector Type			Input: C14 socket	
		Output: 4-	oin DIN/Barrel type/Tuning fork type	
Unit Weight			0.36 kg (0.79 lb)	
MTBF			1 million hours	
ENVIRONMENT	_			
Operating Temperature			0°C to +40°C	
Storage Temperature			-40°C to +85°C	
Operating Humidity		10	-95% RH (Non-condensing)	
Operating Altitude		0-	3,000 meters (0-9,840 feet)	
Protection Against Shock			Class I	
MEDICAL RATING				
Float Rating			BF	
MOPP			$2 \times MOPP$	





MDS 060BAS Adapter Power Supply 12/19/24V 60 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- MDS-060BAS12 meet DOE Level VI & ErP 2017
- MDS-060BAS19 meet DOE Level VI
- Class II protection against shock
- 1 million hours MTBF
- 3 years warranty
- 2 × MOPP isolation

GENERAL SPECIFICATIONS

OUTPUT	060BAS12	060BAS19	060BAS24				
Output Voltage	12V	19V	24V				
Output Current (Max)	5.00A	3.15A	2.50A				
Output Power	60W	60W	60W				
Average Efficiency	88%	88%	87%				
INPUT							
Input Voltage Range		90-264Vac					
Ripple & Noise		<1% (25°C at 10uF/0.47uF with 20	0MHz bandwidth)				
Load Regulation		±5%					
Leakage Current		<0.1mA normal condition, <0.3mA S	FC at 264Vac/63Hz				
Input Frequency		47-63Hz					
MECHANICAL							
Dimensions (W \times L \times H)		62.00 × 135.00 × 34.10 mm (2.4	4 × 5.3 × 1.3 in)				
EMC & Emissions		EN 55011/EN 55032, FCC Titl	e 47: Class B				
Connector Type		Input: C8 socket					
	Output: 4-pin DIN/Barrel type/Tuning fork type						
Unit Weight		0.34 kg (0.75 lb)					
MTBF		1 million hours					
ENVIRONMENT							
Operating Temperature		0°C to +40°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		10-95% RH (Non-conde					
Operating Altitude		0-3,000 meters (0-9,84	0 feet)				
Degree of Protection	IP22						
Protection Against Shock	Class II						
MEDICAL RATING							
Float Rating		BF					
MOPP		2 × MOPP					



Adapter Power Supply

MDS 080AAS Adapter Power Supply 12V 80 WATTS



HIGHLIGHTS & FEATURES

- Safety approvals for medical and IT applications
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Class II input with C8 AC inlet
- Universal input 90-264Vac
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	080AAS12							
Output Voltage	12V							
Output Current (Max)	6.67A							
Output Power	80W							
Average Efficiency	80%							
INPUT								
Input Voltage Range	90-264Vac							
Ripple & Noise	118.4 mVpk-pk @ Rated Load							
Load Regulation	±5%							
Leakage Current	81.6uA normal condition, 87.4uA single fault condition							
Input Frequency	47-63Hz							
MECHANICAL								
Dimensions (W \times L \times H)	75.00 × 150.00 × 40.00 mm (3.0 × 5.9 × 1.6 in)							
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B							
Connector Type	Input: C8 socket							
	Output: 4-pin DIN/Barrel type/Tuning fork type							
Unit Weight	0.50 kg (1.10 lb)							
MTBF	1 million hours							
ENVIRONMENT								
Operating Temperature	0°C to +40°C							
Storage Temperature	-40°C to +85°C							
Operating Humidity	10-95% RH (Non-condensing)							
Operating Altitude	0-5,000 meters (0-16,400 feet)							
Protection Against Shock	Class II							
MEDICAL RATING								
Float Rating	BF							
MOPP	2 × MOPP							





MDS 090AAS Adapter Power Supply 15/19/24V 90 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- MDS-090AAS15 meet DOE Level VI & ErP 2017
- MDS-090AAS19, 24 meet DOE Level VI
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	090AAS15	090AAS19	090AAS24					
Output Voltage	15V	19V	24V					
Output Current (Max)	6.00A	4.74A	3.75A					
Output Power	90W	90W	90W					
Average Efficiency	88%	88%	88%					
INPUT								
Input Voltage Range		90-264Vac						
Ripple & Noise	<	1% (25°C at 10uF/0.47uF with 20MHz bandwid	dth)					
Load Regulation		±5%						
Leakage Current	<0.	1mA normal condition, <0.3mA SFC at 264Vac	/63Hz					
Input Frequency		47-63Hz						
MECHANICAL								
Dimensions (W \times L \times H)		$60.00 \times 150.00 \times 35.00$ mm (2.4 \times 5.9 \times 1.4 ir	n)					
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B						
Connector Type		Input: C14 socket						
		Output: 4-pin DIN/Barrel type/Tuning fork typ	e					
Unit Weight		0.45 kg (0.99 lb)						
MTBF		1 million hours						
ENVIRONMENT								
Operating Temperature		0°C to +40°C						
Storage Temperature		-40°C to +85°C						
Operating Humidity		10-95% RH (Non-condensing)						
Operating Altitude	0-3,000 meters (0-9,840 feet)							
Protection Against Shock	Class	Class I for F series, Class II with functional earth for B series						
MEDICAL RATING								
Float Rating		В						
MOPP		2 × MOPP						

unit: mm



Adapter Power Supply

Enclosed Power Supply

ATX Power Supply

MDS 090BAS24 Adapter Power Supply 24V 90 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & <0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety rated for medical and IT applications
- Risk management report available
- High isolation: 2 × MOPP
- 1 million hours MTBF
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	090BAS24							
Output Voltage	24V							
Output Current (Max)	3.75A							
Output Power	90W							
Average Efficiency	88%							
INPUT								
Input Voltage Range	90-264Vac							
Ripple & Noise	<1% (25°C at 10uF/0.47uF with 20MHz bandwidth)							
Load Regulation	±5%							
Leakage Current	<0.1mA normal condition, <0.3mA SFC at 264Vac/63Hz							
Input Frequency	47-63Hz							
MECHANICAL								
Dimensions (W \times L \times H)	75.00 × 150.00 × 40.00 mm (3.0 × 5.9 × 1.6 in)							
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B							
Connector Type	Input: C8 socket							
	Output: 4-pin DIN/Barrel type/Tuning fork type							
Unit Weight	0.50 kg (1.10 lb)							
MTBF	1 million hours							
ENVIRONMENT								
Operating Temperature	0°C to +40°C							
Storage Temperature	-40°C to +85°C							
Operating Humidity	10-95% RH (Non-condensing)							
Operating Altitude	0-5,000 meters (0-16,400 feet)							
Degree of Protection	IP22							
Protection Against Shock	Class II							
MEDICAL RATING								
Float Rating	BF							
MOPP	2 × MOPP							



MDS 150AAS Adapter Power Supply 12/19/24V 150 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low leakage current (<0.1mA Normal & 0.3mA single fault)
- Compliant with IEC 60601-1-2 4th Ed. Requirements
- Safety approvals for medical and IT applications
- MDS-150AAS19 meet DOE Level VI & ErP 2017
- MDS-150AAS12, 24 meet DOE Level VI
- 1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	150AAS12	150AAS19	150AAS24				
Output Voltage	12V	19V	24V				
Output Current (Max)	10.00A	7.89A	6.25A				
Output Power	120W	150W	150W				
Average Efficiency	88%	88%	88%				
INPUT							
Input Voltage Range		90-264Vac					
Ripple & Noise		<1% (25°C at 10uF/0.47uF with 201	MHz bandwidth)				
Load Regulation		±5%					
Leakage Current		<0.1mA normal condition, <0.3mA SF	C at 264Vac/63Hz				
Input Frequency		47-63Hz					
MECHANICAL							
Dimensions ($W \times L \times H$)		85.00 × 170.00 × 40.00 mm (3.4 :	× 6.7 × 1.6 in)				
EMC & Emissions		EN 55011/EN 55032, FCC Title	47: Class B				
Connector Type	Input: C14 socket						
	Output: 4-pin DIN/B	arrel type/Tuning fork type (Select the app	propriate DC plug according to the current)				
Unit Weight		1.10 kg (2.43 lb)					
MTBF		1 million hours					
ENVIRONMENT	-						
Operating Temperature		0°C to +40°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		10-95% RH (Non-conder	nsing)				
Operating Altitude	0-3,000 meters (0-9,840 feet)						
Protection Against Shock		Class I for F series, Class II with function	nal earth for B series				
MEDICAL RATING							
Float Rating		В					
MOPP		$2 \times MOPP$					

unit: mm



Adapter Power Supply

MDS 150CAB19 Adapter Power Supply 19V 150 WATTS



HIGHLIGHTS & FEATURES

- Over-Voltage/Load/Temperature & Short Circuit Protections
- Safety rated for medical and IT applications
- 90-264 Vac universal input
- 2.1 million hours MTBF
- 2 × MOPP isolation
- 3 years warranty

GENERAL SPECIFICATIONS

OUTPUT	150CAB19
Output Voltage	19V
Output Current (Max)	7.90A
Output Power	150W
Average Efficiency	88%
INPUT	
Input Voltage Range	90-264Vac
Ripple & Noise	<1% (25°C at 10uF/0.47uF with 20MHz bandwidth)
Load Regulation	±5%
Leakage Current	<0.1mA normal condition, <0.3mA SFC at 264Vac/63Hz
Input Frequency	47-63Hz
MECHANICAL	
Dimensions (W \times L \times H)	65.00 × 150.00 × 32.00 mm (2.6 × 5.9 × 1.3 in)
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B
Connector Type	Input: C6 socket
	Output: 4-pin DIN/Tuning fork type
Unit Weight	0.52 kg (1.15 lb)
MTBF	2.1 million hours
ENVIRONMENT	
Operating Temperature	0°C to +40°C
Storage Temperature	-40°C to +85°C
Operating Humidity	10-95% RH (Non-condensing)
Operating Altitude	0-5,000 meters (0-16,400 feet)
Degree of Protection	IP22
Protection Against Shock	Class I
MEDICAL RATING	
Float Rating	В
MOPP	2 × MOPP



Standards & Approvals Delta Standard Medical Power Supplies

EN 55032 Class B (Emissions) EN 55011 Class B (Emissions) Scheme to IEC 60601-1 Scheme to IEC 60950-1 **FUV to EN 60601-1 FUV to EN 60950-1** CQC (China) **CCC (China)** UL 60601-1 UL 60950-1 g 빙 巴 MDS-040APS12 B • • • • • • MDS-040APS15 B • . MDS-040APS18 B MDS-040APS24 B • • • • . • • MDS-065APS12 B • • • . MDS-065APS15 B MDS-065APS18 B • • • • • • • . MDS-065APS24 B • . . • . • • MDS-100AP401 B MDS-100APS12 B • • • . • • • MDS-100APS15 B MDS-100APS18 B • • • • • . • • MDS-100APS24 B • • MDS-100BPS12 B • • • • • • • MDS-100BPS15 B • • • • • • • MDS-100BPS18 B • • • • • • • • MDS-100BPS24 B • MDS-200APB12 • • • • • • • • • • MDS-200APB24 • MDS-250APB12 • . • MDS-250APB24 • • • • • • • • MDS-300APB12 MDS-300APB18 • MDS-300APB24 • . • • • • • • • MDS-300APB48 . • . • MDS-400APB12 • • • • • • • • • • MDS-400APB24 MDS-400AUS19 B • . • • • • • • MDS-400AUS24 B • • • • • MEU-600C24T . . MDS-200ADB12 lacksquareMDS-200ADB24 • . • • • • • • • MDS-250ADB12 • • • • • • • • . MDS-250ADB24 . • • MDS-300ADB12 MDS-300ADB18 . • • • • • • • MDS-300ADB24 • • • • • • MDS-400ADB12 MDS-400ADB24 • . • • • . MDS-300ADB48 • MEB-1K2A24T . . • • •

Standards & Approvals Delta Standard Medical Power Supplies

	G	CB Scheme to IEC 60601-1	CB Scheme to IEC 60950-1	UL 60601-1	UL 60950-1	CQC (China)	CCC (China)	TUV to EN 60601-1	TUV to EN 60950-1	EN 55011 Class B (Emissions)	EN 55032 Class B (Emissions)
ATX Power Supply											
MDS-040APS12 B	•	•	•	•	•		•				
Adapter Power Supp	ly	I									
MDS-005AAS05 A	٠	•		٠			•			•	•
MDS-005AAS05 B	•	•		•						•	•
MDS-005AAS05 C	٠	•								٠	•
MDS-005AAS06 A	•	•					•				
MDS-005AAS06 B	٠	•		•						•	•
MDS-005AAS06 C	•	•								•	•
MDS-030AAC05	٠	•		•			•			•	•
MDS-030AAC07	•	•		•			•			•	•
MDS-030AAC12	٠	•		•			•			•	•
MDS-030AAC15	•	•		•			•			•	•
MDS-030AAC24	٠	•		•			•			•	•
MDS-060AAS12 B	•	•		•			•			•	•
MDS-060AAS15 B	•	•		•			•			•	•
MDS-060AAS19 B	•	•		•			•			•	•
MDS-060AAS24 B	•	•		•			•			•	•
MDS-060BAS12 A	•	•		•			•			•	•
MDS-060BAS19 A	•	•		•			•			•	•
MDS-060BAS24 A	•	•		•			•			•	•
MDS-080AAS12 A	•	•		•			•			•	•
MDS-090AAS15 B	•	•		•			•			•	•
MDS-090AAS19 B	•	•		•			•			•	•
MDS-090AAS24 B	•	•		•			•			•	•
MDS-090BAS24 A	•	•		•			•			•	•
MDS-150AAS12 B	•	•		•			•			•	•
MDS-150AAS19 B	•	•		•			•			•	•
MDS-150AAS24 B	•	•		•			•			•	•
MDS-150CAB19	•	•		•			•			•	•

Notes

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Notes

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