



Medical Power Supplies

Product Catalog



About Delta

Delta, founded in 1971, and listed on the Taiwan Stock Exchange (code:2308), is a global leader in switching power supplies and thermal management products with a thriving portfolio of IoT-based smart energy-saving systems and solutions in the fields of industrial automation, building automation, telecom power, data center infrastructure, EV charging, renewable energy, energy storage and display, to nurture the development of smart manufacturing and sustainable cities. As a world-class corporate citizen guided by its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," Delta leverages its core competence in high-efficiency power electronics and its ESG-embedded business model to address key environmental issues, such as climate change. Delta serves customers through its sales offices, R&D centers and manufacturing facilities spread over close to 200 locations across 5 continents.

Throughout its history, Delta has received various global awards and recognition for its business achievements, innovative technologies and dedication to ESG. Since 2011, Delta has been listed on the Dow Jones Best-in-Class World Index (formerly the DJSI World Index of Dow Jones Sustainability™ Indices) for 14 consecutive years. Delta has also won CDP with double A List for 4 times for its substantial contribution to climate change and water security issues and has been named Supplier Engagement Leader for its continuous development of a sustainable value chain for 7 consecutive years.

For detailed information about Delta, please visit: www.deltaww.com

Business Categories



Power Electronics

- Components
- Power and System
- Fan & Thermal Management
- **Innertek**



Mobility

- EV Powertrain Systems



Automation

- Industrial Automation
- Building Automation



Infrastructure

- ICT Infrastructure
- Energy Infrastructure
- Display
- **vivitek**

About Power and System Business Group (PSBG)

- World's leading provider of power products and solutions
- First power product launched in 1983



Power Conversion



Smart Drive & Control



Battery Charger



Green Energy

Empowering a Smarter, Greener Future Together

PSBG offers cutting-edge power products and systems to innovate AI and cloud computing, network connectivity, client devices, industrial and medical industry, lighting, and appliances and e-mobility with global customers.





Contents

Delta Medical Power Supplies	2
Applications	3
Product Selection Guide	4
Configurable Power Supplies	
• MEG-A Series 700-3,000W	12
Enclosed Power Supplies	
• MDS Series 250-400W	16
• MEP Series NEW 200-500W	18
• MEB Series NEW 500-2,500W	20
Open Frame Power Supplies	
• MDS Series 40-400W	26
• MEU Series 600-650W	33
• MEP Series NEW 25-600W	34
ATX Power Supply	
• MDS Series 350W	39
Adapters	
• MDS Series 5-90W	42
• MEA Series NEW 65-300W	44
Notes	49
Contact Us	50

Delta Medical Power Supplies

Delta provides high quality power supplies with high reliability and performance, including open frame, enclosed, and configurable power supplies and AC adapters. All products conform to major medical safety standards for various healthcare and medical applications.



Configurable

The MEG-A configurable power supply is designed for use in both medical and industrial applications. It supports up to 9 isolated outputs. The products can be configured for output voltages ranging from 2 V_{DC} to 60 V_{DC}.



Enclosed

Encased in strong metal casings, the medical enclosed power supplies can be used in a wide variety of equipment for medical and industrial applications.



Open Frame

The medical open frame provides a high performance and reliable solution as an internal power supply for various types of medical equipment.



ATX

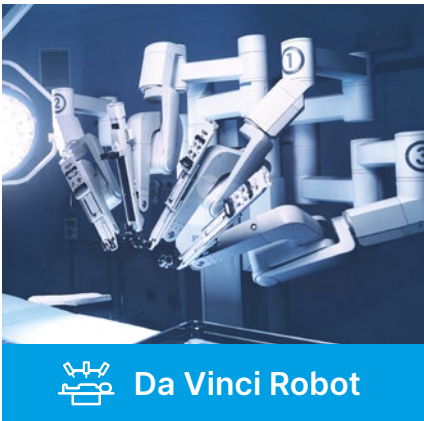
Highly reliable design features the ATX standard form factor and output cable pin-outs. Certified with medical standards, it is suitable for use in medical devices with Type BF classification.



Adapters

The medical adapter utilizes Delta's market leading adapter technology to provide the same high quality external power supplies for medical systems and equipments.

Applications



Product Selection Guide

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

Product Type	Series	Model Name	Module Slots	Output Voltage	Output Power (Max)	Page
Configurable Power Supplies	MEG-A	MEG-700A3	3 Slots	Single Output Single Slot: 2 V - 60 V Triple Slot: 8 V - 60 V	700 W	12
		MEG-1K2A4	4 Slots		1,200 W	
		MEG-2K1A6	6 Slots		2,100 W	
		MEG-3K0A9	9 Slots	Dual Output Single Slot: 3.3 V - 30 V	3,000 W	13

Model Numbering

ME	G –	XXX	A	□
Delta Medical Power Supply	G - Configurable	Max power wattage in the product series. May be lower at some conditions.	Family Code	Slot Number
		700 - 700 W	A - Family A	3 - 3 Slots
		1K2 - 1,200 W		4 - 4 Slots
		2K1 - 2,100 W		6 - 6 Slots
		3K0 - 3,000 W		9 - 9 Slots

Product Type	Series	Model Name	CC Code	Input Terminal	Output Terminal	Output Voltage	Convection		Forced Air		Page
							Output Current	Output Power	Output Current	Output Power	
Enclosed Power Supplies	MDS	MDS-250ADB12	AA	Molex	M3 PCB terminal	12 V	11.25 A	135 W	20.84 A	250 W	16
		MDS-250ADB12	AB	26-62-4030			11.25 A	135 W	20.84 A	250 W	
		MDS-300ADB12	AA	Molex	M3 PCB terminal		15.83 A	190 W	25.0 A	300 W	
		MDS-400ADB12	AA	171813-9998					33.33 A	400 W	
		MDS-300ADB18	AA	Molex	M3 PCB terminal	18 V	10.55 A	190 W	16.66 A	300 W	17
		MDS-300ADB18	AB	26-62-4030			10.55 A	190 W	16.66 A	300 W	
		MDS-250ADB24	AA	Molex	M3 PCB terminal	24 V	5.62 A	135 W	10.41 A	250 W	
		MDS-300ADB24	AA	Molex	M3 PCB terminal		8.75 A	210 W	12.5 A	300 W	
		MDS-300ADB24	AB	26-62-4030			8.75 A	210 W	12.5 A	300 W	
		MDS-400ADB24	AA	Molex	M3 PCB terminal				16.67 A	400 W	
		MDS-400ADB24	AB	171813-9998					16.67 A	400 W	
		MDS-300ADB48	AA	Molex	M3 PCB terminal	48 V	4.375 A	210 W	6.25 A	300 W	
		MDS-300ADB48	AB	26-62-4030			4.375 A	210 W	6.25 A	300 W	

Model Numbering

MDS –	XXX	A	D	B	□	□□
Delta Medical Power Supply	Max power wattage in the product series. May be lower at some conditions.	Family Code	Product Type	Input Connector Type	Output Voltage	CC Code ¹⁾
MDS-250ADB series MDS-300ADB series MDS-400ADB series	250 - 250 W 300 - 300 W 400 - 400 W	A - Family A	D - Enclosed	B - Class I 3-pin connector	12 - 12 V 18 - 18 V 24 - 24 V 48 - 48 V	

1) Refer to technical datasheet

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

Product Type	Series	Model Name	CC Code	Input Terminal	Output Terminal	Output Voltage	Convection		Forced Air		Page
							Output Current	Output Power	Output Current	Output Power	
Enclosed Power Supplies	MEP	MEP-200A12J	CNA	JST B2P3-VH	JST B6P-VH-B	12 V	16.67 A*	200 W*	16.67 A	200 W	18
		MEP-200A24J	CNA	JST B2P3-VH	JST B6P-VH-B	24 V	8.34 A*	200 W*	8.34 A	200 W	
		MEP-200A48J	CNA	JST B2P3-VH	JST B6P-VH-B	48 V	4.17 A*	200 W*	4.17 A	200 W	
		MEP-500A12J	CRA	JST B2P3-VH	M4 PCB terminal	12 V	25.0 A	300 W	41.7 A	500 W	19
		MEP-500A12J	DRA	JST B2P3-VH	M4 PCB terminal				41.7 A	500 W	
		MEP-500A18J	CRA	JST B2P3-VH	M4 PCB terminal	18 V	16.7 A	300 W	27.8 A	500 W	
		MEP-500A18J	DRA	JST B2P3-VH	M4 PCB terminal				27.8 A	500 W	
		MEP-500A24J	CRA	JST B2P3-VH	M4 PCB terminal	24 V	12.5 A	300 W	20.9 A	501 W	
		MEP-500A24J	DRA	JST B2P3-VH	M4 PCB terminal				20.9 A	501 W	
		MEP-500A48J	CRA	JST B2P3-VH	M4 PCB terminal	48 V	6.25 A	300 W	10.5 A	504 W	
		MEP-500A48J	DRA	JST B2P3-VH	M4 PCB terminal				10.5 A	504 W	
	MEB	MEB-500A24F	AA	Deca T24-EO3103A302	DT-65-C14W-02	24 V			21.0 A	500 W	20
		MEB-750A12B	AAA	TU-301-SP-SA-AD2(D)V0	M5 PCB terminal	12 V			58.4 A	700 W	
		MEB-750A12T	AAA	Dinkle DT-2G-B95W-03	M5 PCB terminal				58.4 A	700 W	
		MEB-750A24B	AAA	TU-301-SP-SA-AD2(D)V0	M5 PCB terminal	24 V			31.25 A	750 W	
		MEB-750A24T	AAA	Dinkle DT-2G-B95W-03	M5 PCB terminal				31.25 A	750 W	
		MEB-750A48B	AAA	TU-301-SP-SA-AD2(D)V0	M5 PCB terminal	48 V			15.63 A	750 W	
		MEB-750A48T	AAA	Dinkle DT-2G-B95W-03	M5 PCB terminal				15.63 A	750 W	
		MEB-1K2A24T	ABA	Anytek YK50A0323009G	M5 PCB terminal	24 V			50.0 A	1,200 W	21
		MEB-1K2A42T	ABA			42 V			28.5 A	1,200 W	
		MEB-1K2A48T	ABA			48 V			25.0 A	1,200 W	
		MEB-1K5A24T	AAA	DECA T25-E03H03	ANYTEK YK50A0423009G	24 V			62.5 A	1,500 W	22
		MEB-1K5A48T	AAA			48 V			31.25 A	1,500 W	
		MEB-2K5A24T	NAA	Anytek YK50A0323009G	Busbar	24 V			104.2 A	2,500 W	23
		MEB-2K5A24T	RAA						104.2 A	2,500 W	
		MEB-2K5A36T	NAA			36 V			69.5 A	2,500 W	
		MEB-2K5A36T	RAA						69.5 A	2,500 W	
		MEB-2K5A48T	NAA			48 V			52.1 A	2,500 W	
		MEB-2K5A48T	RAA						52.1 A	2,500 W	

* Refer to technical datasheet

Model Numbering

ME	P –	XXX	A	□	J	□	□□
Delta Medical Power Supply	P - Open Frame	Max power wattage in the product series. May be lower at some conditions.	Family Code	Product Type	Input Connector Type	Package Type	CC Code ¹⁾
		200 - 200 W 500 - 500 W	A - Family A	12 - 12 V 18 - 18 V 24 - 24 V 48 - 48 V	J - JST connector	C - Enclosed D - Enclosed with Top Fan	

ME	B –	XXX	A	□	□	□□□
Delta Medical Power Supply	B - Enclosed	Max power wattage in the product series. May be lower at some conditions.	Family Code	Output Voltage	Input Connector Type	CC Code ¹⁾
		500 - 500 W 750 - 750 W 1K2 - 1,200 W 1K5 - 1,500 W 2K5 - 2,500 W	A - Family A	12 - 12 V 24 - 24 V 36 - 36 V 42 - 42 V 48 - 48 V	F - Front Face B - C14 T - US Terminal	

1) Refer to technical datasheet

Product Selection Guide

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

Product Type	Series	Model Name	CC Code	Input Terminal	Output Terminal	Output Voltage	Convection		Forced Air		Page
							Output Current	Output Power	Output Current	Output Power	
Open Frame Power Supplies	MDS	MDS-040APS12 B	A	JST B2P3-VH	JST B4P-VH	12 V	3.33 A	40 W			26
		MDS-065APS12 B	A	JST B2P3-VH	JST B4P-VH		5.42 A	65 W			
		MDS-100APS12 B	A	JST B2P3-VH	JST B8P-VH		8.33 A	100 W			
		MDS-100 BPS12 B	A	JST B2P3-VH	JST B4P-VH	15 V	6.6 A	80 W	8.33 A	100 W	27
		MDS-040APS15 B	A	JST B2P3-VH	JST B4P-VH		2.67 A	40 W			
		MDS-065APS15 B	A	JST B2P3-VH	JST B4P-VH		4.2 A	63 W			
		MDS-100APS15 B	A	JST B2P3-VH	JST B8P-VH	18 V	6.67 A	100 W			28
		MDS-100 BPS15 B	A	JST B2P3-VH	JST B4P-VH		5.3 A	80 W	6.7 A	100 W	
		MDS-040APS18 B	A	JST B2P3-VH	JST B4P-VH		2.22 A	40 W			
		MDS-065APS18 B	A	JST B2P3-VH	JST B4P-VH	24 V	3.61 A	65 W			29
		MDS-100APS18 B	A	JST B2P3-VH	JST B8P-VH		5.55 A	100 W			
		MDS-100 BPS18 B	A	JST B2P3-VH	JST B4P-VH		4.4 A	80 W	5.5 A	100 W	
		MDS-040APS24 B	A	JST B2P3-VH	JST B4P-VH	12 V	1.67 A	40 W			30
		MDS-065APS24 B	A	JST B2P3-VH	JST B4P-VH		2.71 A	65 W			
		MDS-100APS24 B	A	JST B2P3-VH	JST B8P-VH		4.17 A	100 W			
		MDS-100 BPS24 B	A	JST B2P3-VH	JST B4P-VH	18 V	3.3 A	80 W	4.2 A	100 W	31
		MDS-250APB12	AA	Molex 26-62-4030	M3 PCB terminal		12.5 A	150 W	20.84 A	250 W	
		MDS-250APB12	AB	Molex 26-62-4030	M3 PCB terminal		12.5 A	150 W	20.84 A	250 W	
		MDS-300APB12	AA	Molex 26-62-4030	M3 PCB terminal	24 V	18.33 A	220 W	25.0 A	300 W	32
		MDS-400APB12	AA	Molex 171813-9998	M3 PCB terminal		16.67 A	200 W	33.33 A	400 W	
		MDS-400APB12	AB	Molex 171813-9998	M3 PCB terminal		16.67 A	200 W	33.33 A	400 W	
		MDS-300APB18	AA	Molex 26-62-4030	M3 PCB terminal	36 V	12.22 A	220 W	16.66 A	300 W	33
		MDS-300APB18	AB	Molex 26-62-4030	M3 PCB terminal		12.22 A	220 W	16.66 A	300 W	
		MDS-250APB24	AA	Molex 26-62-4030	M3 PCB terminal		6.25 A	150 W	10.41 A	250 W	
		MDS-250APB24	AB	Molex 26-62-4030	M3 PCB terminal	48 V	6.25 A	150 W	10.41 A	250 W	34
		MDS-300APB24	AA	Molex 26-62-4030	M3 PCB terminal		10.0 A	240 W	12.5 A	300 W	
		MDS-300APB24	AE	Molex 26-62-4030	M3 PCB terminal		10.0 A	240 W	12.5 A	300 W	
		MDS-400APB24	AA	Molex 171813-9998	M3 PCB terminal	50 V	8.33 A	200 W	16.66 A	400 W	35
		MDS-400APB24	AB	Molex 171813-9998	M3 PCB terminal		8.33 A	200 W	16.66 A	400 W	
		MDS-200APB36	AA	Molex 171813-9998	JST B4P-VH		3.33 A	120 W	5.56 A	200 W	
		MDS-300APB48	AA	Molex 26-62-4030	M3 PCB terminal	52 V	5.0 A	240 W	6.25 A	300 W	36
		MDS-300APB48	AB	Molex 26-62-4030	M3 PCB terminal		5.0 A	240 W	6.25 A	300 W	

Model Numbering

MDS –	XXX	□	P	S	□	B	□
Delta Medical Power Supply	Max power wattage in the product series. May be lower at some conditions.	Family Code	Product Type	No. of Output	Output Voltage	Input Connector Type	CC Code ¹⁾
MDS-040APS series MDS-065APS series MDS-100APS series MDS-100BPS series	040 - 40 W 065 - 65 W 100 - 100 W	A - Family A B - Family B	P - Open Frame	S - Single Output	12 - 12 V 15 - 15 V 18 - 18 V 24 - 24 V	B - Class I 3-pin connector	

MDS –	XXX	A	P	B	□	□□
Delta Medical Power Supply	Max power wattage in the product series. May be lower at some conditions.	Family Code	Product Type	Input Connector Type	Output Voltage	CC Code ¹⁾
MDS-200APB series MDS-250APB series MDS-300APB series MDS-400APB series	200 - 200 W 250 - 250 W 300 - 300 W 400 - 400 W	A - Family A	P - Open Frame	B - Class I 3-pin connector	12 - 12 V 18 - 18 V 24 - 24 V 36 - 36 V 48 - 48 V	

1) Refer to technical datasheet

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

Product Type	Series	Model Name	CC Code	Input Terminal	Output Terminal	Output Voltage	Convection		Forced Air		Page
							Output Current	Output Power	Output Current	Output Power	
Open Frame Power Supplies	MEU	MEU-650A12T	AAA	DG128-7.5-03P-14-1001A(H)	M4 PCB terminal	12 V	33.4 A	400 W	50.0 A	600 W	33
		MEU-600C24T	AAA	Anytek YK4020323200G	M5 PCB terminal	24 V	25.0 A	600 W			
		MEU-650A24T	AAA	DG128-7.5-03P-14-1001A(H)	M4 PCB terminal		18.75 A	450 W	27.1 A	650 W	
		MEU-600C48T	AAA	Anytek YK4020323200G	M5 PCB terminal	48 V	12.5 A	600 W			
		MEU-650A48T	AAA	DG128-7.5-03P-14-1001A(H)	M4 PCB terminal		9.375 A	450 W	13.6 A	650 W	
	MEP	MEP-25A15J	BNA	JST B2P3-VH	JST B4P-VH	15 V	1.67 A	25 W			34
		MEP-120A12J	BNA	JST B2P3-VH	JST B4P-VH	12 V	9.5 A	114 W			
		MEP-200A12J	BNA	JST B2P3-VH	JST B6P-VH-B		16.67 A*	200 W*	16.67 A	200 W	
		MEP-120A15J	BNA	JST B2P3-VH	JST B4P-VH	15 V	8.0 A	120 W			
		MEP-120A18J	BNA	JST B2P3-VH	JST B4P-VH	18 V	6.67 A	120 W			35
		MEP-120A24J	BNA	JST B2P3-VH	JST B4P-VH	24 V	5.0 A	120 W			
		MEP-200A24J	BNA	JST B2P3-VH	JST B6P-VH-B		8.34 A*	200 W*	8.34 A	200 W	
		MEP-200A48J	BNA	JST B2P3-VH	JST B6P-VH-B	48 V	4.17 A*	200 W*	4.17 A	200 W	
		MEP-500A12J	BRA	JST B2P3-VH	M4 PCB terminal	12 V	25.0 A	300 W	41.7 A	500 W	36
		MEP-500A18J	BRA			18 V	16.7 A	300 W	27.8 A	500 W	
		MEP-500A24J	BRA			24 V	12.5 A	300 W	20.9 A	501 W	
		MEP-500A48J	BRA			48 V	6.25 A	300 W	10.5 A	504 W	
		MEP-600A24J	BRA	JST B2P3-VH	M4 PCB terminal	24 V	18.75 A	450 W	25.0 A	600 W	37

* Refer to technical datasheet

Model Numbering

ME	U –	XXX	□	□	T	□□□
Delta Medical Power Supply	U - U Frame	Max power wattage in the product series. May be lower at some conditions. 600 - 600 W 650 - 650 W	Family Code A - Family A C - Family C	Output Voltage 12 - 12 V 24 - 24 V 48 - 48 V	Input Connector Type T - Terminal Block (Class I)	CC Code ¹⁾

ME	P –	XXX	A	□	J	□□□
Delta Medical Power Supply	P - Open Frame	Max power wattage in the product series. May be lower at some conditions. 25 - 25 W 120 - 120 W 200 - 200 W 500 - 500 W 600 - 600 W	Family Code A - Family A	Output Voltage 12 - 12 V 15 - 15 V 18 - 18 V 24 - 24 V 48 - 48 V	Input Connector Type J - JST connector	CC Code ¹⁾

1) Refer to technical datasheet

Product Type	Series	Model Name	CC Code	Input Terminal	Output Terminal	Output Voltage	Output Current	Output Power	Page
ATX Power Supply	MDS	MDS-350AD701	AA	C14	Wire harness	+3.3 V, +5 V, +5 V _{SB} , +12 V ₁ , +12 V ₂ , -12 V, -5 V	8.0 A, 9.0 A, 1.25 A, 8.0 A, 8.0 A, 0.25 A, 0.1 A	350 W	39

Model Numbering

MDS –	XXX	A	D	701	□□
Delta Medical Power Supply	Max power wattage in the product series. May be lower at some conditions. 350 - 350 W	Family Code A - Family A	Product Type D - Enclosed	Output Voltage 701 - +3.3 V, +5 V, +5 V _{SB} , +12 V ₁ , +12 V ₂ , -12 V, -5 V	CC Code ¹⁾

1) Refer to technical datasheet

Product Selection Guide

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

Product Type	Series	Model Name	CC Code	Output Voltage	Output Current	Output Power	Page
Adapters	MDS	MDS-005AAS05	AU	5V	1.0 A	5 W	42
		MDS-005AAS05	AV		1.0 A	5 W	
		MDS-005AAS05	BU		1.0 A	5 W	
		MDS-005AAS05	BV		1.0 A	5 W	
		MDS-005AAS05	CU		1.0 A	5 W	
		MDS-005AAS05	CV		1.0 A	5 W	
		MDS-030AAC05	AA		3.0 A	15 W	
		MDS-030AAC05	AB		3.0 A	15 W	
		MDS-030AAC05	AC		3.0 A	15 W	
		MDS-030AAC12	AA	12V	2.0 A	24 W	
		MDS-030AAC12	AB		2.0 A	24 W	
		MDS-030AAC12	AC		2.0 A	24 W	
		MDS-030AAC12	BB		2.0 A	24 W	
		MDS-030AAC15	AA	15V	2.0 A	30 W	43
		MDS-030AAC15	AB		2.0 A	30 W	
		MDS-030AAC15	AC		2.0 A	30 W	
		MDS-030AAC15	BC		2.0 A	30 W	
		MDS-030AAC15	BD		2.0 A	30 W	
		MDS-030AAC24	AA	24V	1.25 A	30 W	
		MDS-030AAC24	AB		1.25 A	30 W	
		MDS-030AAC24	AC		1.25 A	30 W	
		MDS-090BAS24	AB		3.75 A	90 W	

Model Numbering

MDS –		CC Code	
Delta Medical Power Supply	XXX	□	□
	Max power wattage in the product series. May be lower at some conditions.	Family Code	Product Type
		No. of Output	Output Voltage
		Output Voltage	Input Connector Type
			Refer to technical datasheet
MDS-005AAS series	005 - 5W	A - Family A	A - Adapter
		S - Single Output	05 - 5V
		A - CN	B - US
		C - EU	

MDS –		AAC		CC Code ¹⁾	
Delta Medical Power Supply	XXX	Family Code	Output Voltage	□	□□
	Max power wattage in the product series. May be lower at some conditions.				
MDS-030AAC series	030 - 30W		05 - 5V		
			12 - 12V		
			15 - 15V		
			24 - 24V		

MDS –		A		S		CC Code ¹⁾	
Delta Medical Power Supply	XXX	Family Code	Product Type	No. of Output	Output Voltage	□	□□
	Max power wattage in the product series. May be lower at some conditions.						
MDS-090BAS series	090 - 90W	B - Family B			24 - 24V		

1) Refer to technical datasheet

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

Product Type	Series	Model Name	CC Code	Output Voltage	Output Current	Output Power	Page
Adapters	MEA	MEA-065A12C	A-A	12V	5.0 A	60 W	44
		MEA-065A12C	6-A		5.0 A	60 W	
		MEA-065A12C	V-A		5.0 A	60 W	
		MEA-065A15C	A-A	15V	4.33 A	65 W	
		MEA-065A19C	A-A	19V	3.42 A	65 W	
		MEA-065A19C	V-A		3.42 A	65 W	
		MEA-065A24C	A-A	24V	2.71 A	65 W	45
		MEA-065A24C	6-A		2.71 A	65 W	
		MEA-065A12B	A-A	12V	5.0 A	60 W	
		MEA-065A15B	A-A	15V	4.33 A	65 W	
		MEA-065A19B	A-A	19V	3.42 A	65 W	
		MEA-065A24B	A-A	24V	2.71 A	65 W	
		MEA-090A12C	6-A	12V	6.75 A	81 W	46
		MEA-090A12C	V-A		6.75 A	81 W	
		MEA-090A12C	W-A		6.75 A	81 W	
		MEA-090A15C	6-A	15V	6.0 A	90 W	
		MEA-090A15C	V-A		6.0 A	90 W	
		MEA-090A15C	W-A		6.0 A	90 W	
		MEA-090A19C	6-A	19V	4.74 A	90 W	
		MEA-090A19C	V-A		4.74 A	90 W	
		MEA-090A24C	6-A	24V	3.75 A	90 W	
		MEA-090A24C	V-A		3.75 A	90 W	
		MEA-160A12C	GAA	12V	12.5 A	150 W	47
		MEA-160A15C	GAA	15V	10.67 A	160 W	
		MEA-160A19C	GAA	19V	8.42 A	160 W	
		MEA-160A24C	GAA	24V	6.67 A	160 W	
		MEA-250A24C	H-A	24V	10.42 A	250 W	48
		MEA-300A24C	HAA		12.5 A	300 W	

Model Numbering

						CC Code ¹⁾		
ME	A –	XXX	A	□	C	□	-	A
Delta Medical Power Supply	A - Desktop Adapter	Max power wattage in the product series. May be lower at some conditions.	Family Code	Output Voltage	Input Connector Type	Output Plug Spec	Delta Standard	Output Plug Type
		065 - 65W 090 - 90W 250 - 250W	A - Family A	12 - 12V 15 - 15V 19 - 19V 24 - 24V	B - C8 C - C14	6 - 4-pin DIN A - Tuning Fork: 5.5 x 2.5 x 10 mm, 180°, 1.2 m H - 6-pin mini-fit: 1.5 m V - 5.5 x 2.5 x 11 mm, 90°, 1.2 m W - Tuning Fork: 5.5 x 2.5 x 11 mm, 180°, 1.2 m	A - Tuning Fork / DIN / Other	

						CC Code ¹⁾	
ME	A –	XXX	A	□	C	□	AA
Delta Medical Power Supply	A - Desktop Adapter	Max power wattage in the product series. May be lower at some conditions.	Family Code	Output Voltage	Input Connector Type	Output Plug Spec	Delta Standard
		160 - 160 W 300 - 300 W	A - Family A	12 - 12 V 15 - 15 V 19 - 19 V 24 - 24 V	C - C14	G - 4-pin DIN H - 6-pin mini-fit: 1.2 m	

1) Refer to technical datasheet

Configurable Power Supplies



MEG-A

Configurable power supply with flexible modular design and adjustable output voltage range from 2-60 V

Power Range: 700-3,000 W

Applications



X-Ray



CT Scan



IVD



Ultrasound



Da Vinci
Robot

MEG-A (2 V - 60 V)

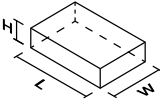
- Compact size and high power density
- 2 × MOPP isolation
- Output selectable from 2 V_{DC} to 60 V_{DC}
- Analog voltage trimming
- 3, 4, 6, 9 slots
- Current sharing for single slot modules
- Compliant with IEC 60601-1-2 Ed. 4 requirements

Applications



Model	MEG-700A3		MEG-1K2A4		MEG-2K1A6		MEG-3K0A9	
Output								
Output Slots	3 Slots		4 Slots		6 Slots		9 Slots	
Output Power	700 W		1,200 W		2,100 W		3,000 W	
Line Regulation	± 0.5%						± 0.5%	
Load Regulation	± 1%						± 1%	
Ripple & Noise	< 1% pk-pk Vrated or 100mV, which is larger						< 1% pk-pk Vrated or 100mV, which is larger	
Hold-up Time	12 ms @ rated load, with nominal input range						12 ms @ rated load, with nominal input range	
Dynamic Response	± 5% @ with 50-100% load change						± 5% @ with 50-100% load change	
Remote Sense	Up to 500mV compensation for voltage drop across						Up to 500mV compensation for voltage drop across	
Output Module								
Output Numbers	Single Output / Dual Output						Single Output / Dual Output	
Output Voltage	Single Output: Single Slot: 2 V - 60 V; Triple Slot: 8 V - 60 V Dual Output: Single Slot: 3.3-30 V						Single Output: Single Slot: 2 V - 60 V; Triple Slot: 8 V - 60 V Dual Output: Single Slot: 3.3 V - 30 V	
Output Power (Max)	Single Output: Single Slot: 300 W; Triple Slot: 700 W Dual Output: Single Slot: 180 W		Single Output: Single Slot: 300 W; Triple Slot: 1200 W Dual Output: Single Slot: 240 W				Single Output: Single Slot: 300 W; Triple Slot: 1200 W Dual Output: Single Slot: 240 W	
Input								
Input Voltage Range	90-264 V _{AC}						90-264 V _{AC}	
Input Frequency	47-63 Hz						47-63 Hz	
Input Current	< 8.5 A		< 15 A		< 15 A		< 20 A	
Input Surge Voltage (Max)	300 V _{AC} for 100 ms						300 V _{AC} for 100 ms	
Efficiency	115 V _{AC}	91.0%	90.0%				90.0%	
	230 V _{AC}	93.0%					93.0%	
Inrush Current (Cold Start)	230 V _{AC}	40 A					40 A	
Power Factor	115 V _{AC} 230 V _{AC}	> 0.95 @ full load						> 0.95 @ full load
Earth Leakage Current ¹⁾	< 0.3mA @ NC, < 1mA @ SFC				< 0.3mA @ NC, < 1mA @ SFC		< 0.4mA @ NC, < 1mA @ SFC	
Touch Current ¹⁾	< 0.1mA @ NC, < 0.5 mA @ SFC						< 0.1mA @ NC, < 0.5 mA @ SFC	
Mechanical								
Dimensions (L × W × H)	mm	215.9 × 88.9 × 41.5	254 × 88.9 × 40.5		254 × 127 × 40.5		254 × 181 × 40.5	
	inch	8.50 × 3.50 × 1.63	10.00 × 3.50 × 1.59		10.00 × 5.00 × 1.59		10.00 × 7.13 × 1.59	
Unit Weight	kg	0.80	1.30		2.00		2.50	
	lb	1.76	2.86		4.41		5.51	
MTBF ²⁾	500,000 hrs						500,000 hrs	
EMC & Emissions	EN 55011/EN 55032, FCC Title 47: Class B						EN 55011/EN 55032, FCC Title 47: Class B	
Environment								
Operating Temperature ³⁾	-20°C to +70°C						-20°C to +70°C	
Storage Temperature	-40°C to +85°C						-40°C to +85°C	
Operating Humidity	5 to 95% RH (Non-Condensing)				5 to 95% RH (Non-Condensing)		5 to 90% RH (Non-Condensing)	
Operating Altitude	0 to 5,000 m (0 to 16,400 ft)						0 to 5,000 m (0 to 16,400 ft)	
Medical Rating								
Float Rating	B						B	
MOPP	2 × MOPP						2 × MOPP	

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) For MEG-700A3, MTBF as per Telcordia SR-332 (I/P: 160 V_{AC}, Ta: 35°C).
For MEG-1K2A4, MTBF as per Telcordia SR-332 (I/P: 160 V_{AC}, O/P: 1,200 W, Ta: 35°C).
For MEG-2K1A6, MTBF as per Telcordia SR-332 (I/P: 160 V_{AC}, O/P: 1,800 W, Ta: 35°C).
For MEG-3K0A9, MTBF as per Telcordia SR-332 (I/P: 180 V_{AC}, Ta: 35°C)
- 3) Refer power de-rating in the product datasheet.

Enclosed Power Supplies



MDS

General use for medical application
Power Range: 250-400W



MEP

High power density in a small footprint and low profile
Power Range: 200-500W



MEB

High power output with built-in fan cooling
Power Range: 500-2,500W

Applications



Dental



Dialysis



IVD



Operating Table



Respiratory



Ultrasound



Aesthetic



X-Ray



CT Scan



Da Vinci Robot

MDS (12 V, 18 V, 24 V, 48 V)



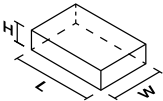
- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Class B Conducted and Radiated EMI
- Suitable for type BF medical products
- 2 × MOPP isolation
- Power Good signal

Applications



Model		MDS-250ADB12 A□	MDS-300ADB12 AA	MDS-400ADB12 AA	MDS-300ADB18 A□	MDS-250ADB24 AA	MDS-300ADB24 A□	MDS-400ADB24 A□	MDS-300ADB48 A□
Output									
Output Voltage		12 V	12 V	12 V	18 V	24 V	24 V	24 V	48 V
Output Current (Max)		11.25 A (Convection) 20.84 A (with 10 CFM Forced Air)	15.83 A (Convection) 25.0 A (with 10 CFM Forced Air)	33.33 A (with 20 CFM Forced Air)	10.55 A (Convection) 16.66 A (with 10 CFM Forced Air)	5.62 A (Convection) 10.41 A (with 10 CFM Forced Air)	8.75 A (Convection) 12.5 A (with 10 CFM Forced Air)	16.67 A (with 16 CFM Forced Air)	4.375 A (Convection) 6.25 A (with 10 CFM Forced Air)
Output Power		135 W (Convection) 250 W (with 10 CFM Forced Air)	190 W (Convection) 300 W (with 10 CFM Forced Air)	400 W (with 20 CFM Forced Air)	190 W (Convection) 300 W (with 10 CFM Forced Air)	135 W (Convection) 250 W (with 10 CFM Forced Air)	210 W (Convection) 300 W (with 10 CFM Forced Air)	400 W (with 16 CFM Forced Air)	210 W (Convection) 300 W (with 10 CFM Forced Air)
Load Regulation		± 1%						± 1%	
Ripple & Noise (typ.)		120 mVpp		150 mVpp	180 mVpp	240 mVpp			
Input									
Input Voltage Range		90-264 V _{AC}						90-264 V _{AC}	
Input Frequency		47-63 Hz						47-63 Hz	
Efficiency (typ.)	115 V _{AC} (60 Hz)	89.45%	91.3%	89.5%	92.5%	91.9%	93.0%	92.0%	92.5%
	230 V _{AC} (50 Hz)	90.5%	92.6%	91.5%	93.5%	93.0%	94.0%	93.0%	93.5%
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.3 mA @ SFC						< 0.1mA @ NC, < 0.3 mA @ SFC	
Touch Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.5 mA @ SFC						< 0.1mA @ NC, < 0.5 mA @ SFC	
Mechanical									
Dimensions (L × W × H)	mm	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4	140 × 88.9 × 44.4
	inch	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75	5.51 × 3.50 × 1.75
Unit Weight	kg	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
	lb	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
MTBF ²⁾		500,000 hrs	800,000 hrs	500,000 hrs	800,000 hrs	500,000 hrs	800,000 hrs	500,000 hrs	800,000 hrs
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B						EN 55011/EN 55032, FCC Title 47: Class B	
Environment									
Operating Temperature ³⁾		-10°C to +70°C						-10°C to +70°C	
Storage Temperature		-40°C to +85°C						-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)						5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 5,000m (0 to 16,400 ft)						0 to 5,000m (0 to 16,400 ft)	
Medical Rating									
Float Rating		BF						BF	
MOPP		2 × MOPP						2 × MOPP	

Dimensions Reference



Notes

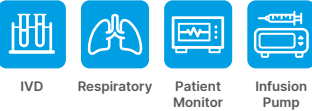
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
For MDS-400ADB12 A□, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load with 20 CFM Forced Air, Ta: 35°C).
For MDS-400ADB24 A□, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load with 16CFM Forced Air, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEP (12V, 24V, 48V)



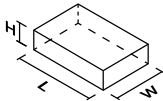
- Optional open frame and enclosed types
- Up to 22.32W/inch³ power density
- Up to 200W output with natural convection cooling
- High efficiency up to 95%
- Up to 70°C operating temperature
- IEC 60601-1-2 4th Edition Immunity Compliance

Applications



NEW		NEW		NEW			
Model		MEP-200A12J CNA		MEP-200A24J CNA		MEP-200A48J CNA	
Output							
Output Voltage		12 V		24 V		48 V	
Output Current (Max)		16.67 A		8.34 A		4.17 A	
Output Power		200 W		200 W		200 W	
Load Regulation		2%					
Ripple & Noise (typ.)		150 mVpp		100 mVpp			
Input							
Input Voltage Range		90-264 V _{AC}					
Input Frequency		47-63 Hz					
Efficiency at 100% Load (typ.)	115 V _{AC}	92.4%		93.3%		93.8%	
	230 V _{AC}	93.8%		94.7%		95.4%	
Touch Current ¹⁾		< 0.1 mA @ NC, < 0.5 mA @ SFC					
Leakage Current ¹⁾		< 0.3 mA @ NC, < 1.0 mA @ SFC					
Mechanical							
Dimensions (L × W × H)	mm	111.2 × 62.8 × 32.5		111.2 × 62.8 × 32.5		111.2 × 62.8 × 32.5	
	inch	4.40 × 2.50 × 1.28		4.40 × 2.50 × 1.28		4.40 × 2.50 × 1.28	
Unit Weight	kg	0.26		0.26		0.26	
	lb	0.57		0.57		0.57	
MTBF ²⁾		> 1,000,000 hrs					
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B					
Environment							
Operating Temperature ³⁾		-30°C to +70°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		5 to 95% RH (Non-Condensing)					
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)					
Medical Rating							
Float Rating		BF					
MOPP		2 × MOPP					

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332 (: I/P: 115V_{AC}, O/P: 170 W, Ta: 35°C).
 - 3) Refer power de-rating in the product datasheet.

MEP (12V, 18V, 24V, 48V)



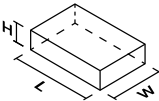
- Up to 25.64 W/inch³ power density
- Up to 500W output with fan cooling
- 5 V / 2 A standby output
- Built-in remote ON/OFF function
- Remote sense voltage compensation
- Digital voltage trimming
- Up to 85°C operating temperature

Applications



COMING SOON		COMING SOON		COMING SOON		COMING SOON			
Model		MEP-500A12J □RA		MEP-500A18J □RA		MEP-500A24J □RA		MEP-500A48J □RA	
Output									
Output Voltage		12V		18V		24V		48V	
Output Voltage Trimming Range		10.8-13.2 V		15.0-18.0 V		21.6-26.4 V		48.0-55.0 V	
Output Current (Max)		41.7 A		27.8 A		20.9 A		10.5 A	
Output Power		500.4 W		500.4 W		501.6 W		504 W	
Load Regulation		± 1%							
Ripple & Noise (typ.)		120mVpp		180mVpp		240mVpp		480mVpp	
Input									
Input Voltage Range		85-264 V _{AC}							
Input Frequency		47-63Hz							
Efficiency at 100% Load (typ.)	115 V _{AC}	92.0%	93.0%		90.0%		92.0%		
	230 V _{AC}	94.0%	95.0%		92.0%		94.0%		
Touch Current ¹⁾		< 0.1mA @ NC, < 0.3mA @ SFC							
Leakage Current ¹⁾		< 0.1mA @ NC, < 0.5mA @ SFC							
Mechanical									
Dimensions (L × W × H)	mm	MEP-500A□J CRA (Enclosed): 138.6 × 88.2 × 38.4 MEP-500A□J DRA (with Top Fan): 138.6 × 88.2 × 57.8							
	inch	MEP-500A□J CRA (Enclosed): 5.46 × 3.47 × 1.51 MEP-500A□J DRA (with Top Fan): 5.46 × 3.47 × 2.28							
Unit Weight	kg	MEP-500A□J CRA (Enclosed): 0.56 MEP-500A□J DRA (with Top Fan): 0.65							
	lb	MEP-500A□J CRA (Enclosed): 1.24 MEP-500A□J DRA (with Top Fan): 1.43							
MTBF ²⁾		> 1,000,000 hrs							
EMC & Emissions		EN 55011/EN 55032: Class B							
Environment									
Operating Temperature ³⁾		-30°C to +85°C							
Storage Temperature		-40°C to +85°C							
Operating Humidity		10 to 95% RH (Non-Condensing)							
Operating Altitude		0 to 5,000m (0 to 16,400 ft)							
Medical Rating									
Float Rating		BF							
MOPP		2 × MOPP							

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332 (: I/P: 115V_{AC}, O/P: 100% load, Ta: 35°C).
 - 3) Refer power de-rating in the product datasheet.

MEB (12V, 24V, 48V)



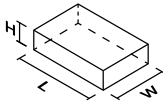
- High power density
- 2 × MOPP Isolation
- Safety approvals to IEC 60601-1 Ed 3.2
- Suitable for type BF medical products
- Full power up to 50°C ambient
- Class B Conducted and Radiated EMI

Applications



Model		MEB-500A24F AA	MEB-750A12□ AAA	MEB-750A24□ AAA	MEB-750A48□ AAA
Output					
Output Voltage		24 V	12 V	24 V	48 V
Output Voltage Trimming Range		21.6-26.4 V	12-14 V	21.6-26.4 V	43.2-52.8 V
Output Current (Max)		21.0 A	58.4 A	31.25 A	15.63 A
Output Power		504 W	700 W	750 W	750 W
Load Regulation		1%	2%		
Ripple & Noise (typ.)		300mVpp	120mVpp	240mVpp	480mVpp
Input					
Input Voltage Range		90-264 V _{AC}	85-264 V _{AC}	85-264 V _{AC}	
Input Frequency		47-63 Hz			
Efficiency (typ.)	230 V _{AC} (50 Hz)	92.0%	90.5%	94.0%	
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.3mA @ SFC	0.3mA typ. @ NC, 1mA typ. @ SFC		
Touch Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.5mA @ SFC	0.1mA typ. @ NC, 0.5mA typ. @ SFC		
Mechanical					
Dimensions (L × W × H)	mm	165.3 × 85.2 × 41	177.8 × 101.6 × 40	177.8 × 101.6 × 40	177.8 × 101.6 × 40
	inch	6.50 × 3.35 × 1.61	7.00 × 4.00 × 1.57	7.00 × 4.00 × 1.57	7.00 × 4.00 × 1.57
Unit Weight	kg	0.66	1.10	1.10	1.10
	lb	1.46	2.43	2.43	2.43
MTBF ²⁾		> 700,000 hrs	> 500,000 hrs		
EMC & Emissions		EN 55011 & Compliant with EN 55032, FCC Title 47: Class B	EN 55011, EN 55032, FCC Title 47: Class B		
Environment					
Operating Temperature ³⁾		-20°C to +70°C			
Storage Temperature		-30°C to +80°C	-40°C to +85°C	-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)	
Operating Altitude		IEC 60601-1: 0 to 3,000m (0 to 9,840ft) IEC 60950-1 & IEC 62368-1: 0 to 5,000m (0 to 16,400ft)	0 to 5,000m (0 to 16,400ft)	0 to 5,000m (0 to 16,400ft)	
Medical Rating					
Float Rating		BF			
MOPP		2 × MOPP			

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MEB-500A24F, MTBF as per Telcordia SR-332 (: I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
- MEB-750A12□, MEB-750A24□ and MEB-750A48□, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEB (24V, 42V, 48V)



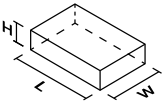
- Up to 1,200W in 5" × 8.03" × 1.59" package
- Full power from 90 V_{AC} to 264 V_{AC}, up to 50°C ambient
- 2 × MOPP isolation, suitable for type BF medical products
- Current sharing and 5V/2A standby output
- PMBus Ver 1.3 supported
- Intelligent fan speed control
- Class B Conducted and Radiated EMI

Applications



Model		MEB-1K2A24T ABA		MEB-1K2A42T ABA		MEB-1K2A48T ABA	
Output							
Output Voltage		24 V		42 V		48 V	
Output Voltage Trimming Range		21.6-26.4 V		37.8-43.2 V		43.2-52.8 V	
Output Current (Max)		50.0 A		28.5 A		25.0 A	
Output Power		1200 W		1200 W		1200 W	
Load Regulation		2%					
Ripple & Noise (typ.)		240mVpp		420mVpp		480mVpp	
Input							
Input Voltage Range		85-264 V _{AC}					
Input Frequency		47-63 Hz					
Efficiency (typ.)	115 V _{AC} (60 Hz)	90.0%		90.9%		91.5%	
	230 V _{AC} (50 Hz)	93.0%		93.2%		94.0%	
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.3mA @ NC, < 1mA @ SFC					
Touch Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.5mA @ SFC					
Mechanical							
Dimensions (L × W × H)	mm	204 × 127 × 40.5		204 × 127 × 40.5		204 × 127 × 40.5	
	inch	8.03 × 5.00 × 1.59		8.03 × 5.00 × 1.59		8.03 × 5.00 × 1.59	
Unit Weight	kg	1.50		1.50		1.50	
	lb	3.30		3.30		3.30	
MTBF ²⁾		> 500,000hrs					
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B					
Environment							
Operating Temperature ³⁾		-20°C to +70°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		5 to 95% RH (Non-Condensing)					
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)					
Medical Rating							
Float Rating		BF					
MOPP		2 × MOPP					

Dimensions Reference



Notes

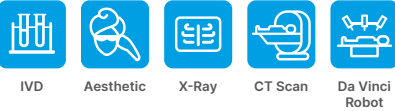
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEB (24 V, 48 V)



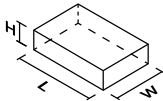
- Up to 1,500 Watt in 5.00" × 8.03" × 1.59" package
- Up to 23.5 W/inch³ power density
- Current sharing and 5 V/2 A standby output
- Conformal coating
- LED indicator
- Intelligent fan speed control
- Compliance with IEC 61000-4-6 20V/m for semiconductor applications

Applications



NEW		NEW	
Model		MEB-1K5A24T AAA	MEB-1K5A48T AAA
Output			
Output Voltage		24 V	48 V
Output Voltage Trimming Range		21.6-26.4 V	43.2-52.8 V
Output Current (Max)		62.5 A	31.25 A
Output Power		1,500 W	1,500 W
Load Regulation		2%	
Ripple & Noise (typ.)		240 mVpp	480 mVpp
Input			
Input Voltage Range		90-264 V _{AC}	
Input Frequency		47-63 Hz	
Efficiency at 100% load (typ.)	115 V _{AC}	88.0%	89.0%
	230 V _{AC}	91.0%	92.0%
Touch Current ¹⁾		< 0.1mA @ NC, < 0.5 mA @ SFC	
Leakage Current ¹⁾		< 0.5 mA @ NC, < 1.0 mA @ SFC	
Leakage Current ¹⁾		< 0.15 mA @ NC, < 0.3 mA @ SFC	
Mechanical			
Dimensions (L × W × H)	mm	204 × 127 × 40.5	204 × 127 × 40.5
	inch	8.03 × 5.00 × 1.59	8.03 × 5.00 × 1.59
Unit Weight	kg	1.50	1.50
	lb	3.30	3.30
MTBF ²⁾		> 500,000 hrs	
EMC & Emissions		EN 55011/EN 55032: Class B	
Environment			
Operating Temperature ³⁾		-20°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	
Medical Rating			
Float Rating		BF	
MOPP		2 × MOPP	

Dimensions Reference



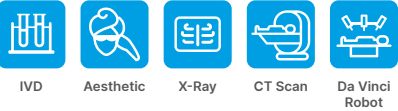
- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 1,200 W, Ta: 35°C).
 - 3) Refer power de-rating in the product datasheet.

MEB (24 V, 36 V, 48 V)



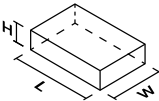
- Up to 2,500 Watt in 5.00" x 10.67" x 1.59" package without BUSBAR terminal
- Up to 29.5 W/inch³ power density
- Active current sharing
- Conformal coating
- Normal and reversed option for Remote On/Off and Power Good Signal
- PMBus Ver 1.3 supported
- Intelligent fan speed control

Applications



NEW		NEW		NEW			
Model		MEB-2K5A24T □AA		MEB-2K5A36T □AA		MEB-2K5A48T □AA	
Output							
Output Voltage		24 V		36 V		48 V	
Output Voltage Trimming Range		24-28 V		36-42 V		48-56 V	
Output Current (Max)		104.2 A		69.5 A		52.1 A	
Output Power		2,500 W		2,500 W		2,500 W	
Load Regulation		2%					
Ripple & Noise (typ.)		240 mVpp		360 mVpp		480 mVpp	
Input							
Input Voltage Range		85-264 V _{AC}					
Input Frequency		47-63 Hz					
Efficiency at 100% load (typ.)	115 V _{AC}	90.3%		90.5%		91.1%	
	230 V _{AC}	92.6%		92.8%		94.0%	
Touch Current ¹⁾		< 0.1 mA @ NC, < 0.4 mA @ SFC					
Leakage Current ¹⁾		< 0.5 mA @ NC, < 1.0 mA @ SFC					
Mechanical							
Dimensions (L × W × H)	mm	271 × 127 × 40.5		271 × 127 × 40.5		271 × 127 × 40.5	
	inch	10.67 × 5.00 × 1.59		10.67 × 5.00 × 1.59		10.67 × 5.00 × 1.59	
Unit Weight	kg	1.95		1.95		1.95	
	lb	4.30		4.30		4.30	
MTBF ²⁾		> 500,000 hrs					
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B					
Environment							
Operating Temperature ³⁾		-20°C to +70°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		20 to 90% RH (Non-Condensing)					
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)					
Medical Rating							
Float Rating		BF					
MOPP		2 × MOPP					

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332 (I/P: 230 V_{AC}, O/P: 100% load, Ta: 35°C).
 - 3) Refer power de-rating in the product datasheet.

Open Frame Power Supplies



MDS

Standard footprint offers versatile output and wattage

Power Range: 40-400 W



MEU

U-Frame outline offers convection or forced air cooling

Power Range: 600-650 W



MEP

High power density in a small footprint and low profile. Applicable to Class I/II applications

Power Range: 25-600 W

Applications



Dental



Medical Display



Respiratory



Operating Table



IVD



Ultrasound



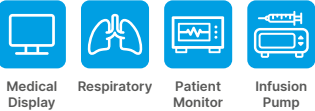
Dialysis

MDS (12 V, 15 V)



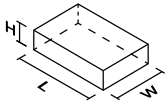
- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low touch current
(< 0.1mA Normal & < 0.3 mA Single Fault)
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- 2 × MOPP isolation
- High MTBF

Applications



Model		MDS-040APS12 BA	MDS-065APS12 BA	MDS-100APS12 BA	MDS-100BPS12 BA	MDS-040APS15 BA	MDS-065APS15 BA	MDS-100APS15 BA	MDS-100BPS15 BA
Output									
Output Voltage		12 V	12 V	12 V	12 V	15 V	15 V	15 V	15 V
Output Current (Max)		3.33 A	5.42 A	8.33 A	6.6 A (Convection) 8.33 A (with 10 CFM Forced Air)	2.67 A	4.2 A	6.67 A	5.3 A (Convection) 6.7 A (with 10 CFM Forced Air)
Output Power		40 W	65 W	100 W	80 W (Convection) 100 W (With 10 CFM Forced Air)	40 W	63 W	100 W	80 W (Convection) 100 W (with 10 CFM Forced Air)
Load Regulation		± 1%						± 1%	
Ripple & Noise (typ.)		22.8 mVpp	21.6 mVpp	25 mVpp	76 mVpp	16.4 mVpp	18 mVpp	35.2 mVpp	51.2 mVpp
Input									
Input Voltage Range		90-264 V _{AC}						90-264 V _{AC}	
Input Frequency		47-63 Hz						47-63 Hz	
Efficiency (typ.)	115 V _{AC}	86.5%	87.5%	89.2%	87.0%	87.2%	89.2%	90.6%	88.2%
	230 V _{AC}								
Earth Leakage Current ¹⁾	264 V _{AC}	-		< 0.15 mA @ NC, < 0.3 mA @ SFC				-	
Touch Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.3 mA @ SFC							
Mechanical									
Dimensions (L × W × H)	mm	76.2 × 50.8 × 23	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8	76.2 × 50.8 × 23	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8
	inch	3.00 × 2.00 × 0.91	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25	3.00 × 2.00 × 0.91	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25
Unit Weight	kg	0.08	0.13	0.21	0.15	0.08	0.13	0.21	0.15
	lb	0.18	0.29	0.46	0.33	0.18	0.29	0.46	0.33
MTBF ²⁾		3,000,000 hrs	2,500,000 hrs	3,000,000 hrs	1,000,000 hrs	3,000,000 hrs	2,500,000 hrs	3,000,000 hrs	1,000,000 hrs
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B							
Environment									
Operating Temperature ³⁾		-10°C to +70°C						-10°C to +70°C	
Storage Temperature		-40°C to +85°C						-40°C to +85°C	
Operating Humidity		10 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)			10 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			0 to 5,000 m (0 to 16,400 ft)		0 to 3,000 m (0 to 9,840 ft)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			0 to 5,000 m (0 to 16,400 ft)		0 to 3,000 m (0 to 9,840 ft)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			0 to 5,000 m (0 to 16,400 ft)		0 to 3,000 m (0 to 9,840 ft)		
Medical Rating									
Float Rating		BF						BF	
MOPP		2 × MOPP						2 × MOPP	

Dimensions Reference



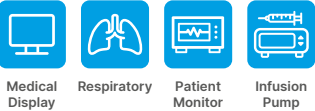
- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332.
 - 3) Refer power de-rating in the product datasheet.

MDS (18 V, 24 V)



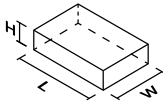
- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low touch current
(< 0.1mA Normal & < 0.3 mA Single Fault)
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- 2 × MOPP isolation
- High MTBF

Applications



Model		MDS-040APS18 BA	MDS-065APS18 BA	MDS-100APS18 BA	MDS-100BPS18 BA	MDS-040APS24 BA	MDS-065APS24 BA	MDS-100APS24 BA	MDS-100BPS24 BA
Output									
Output Voltage		18 V	18 V	18 V	18 V	24 V	24 V	24 V	24 V
Output Current (Max)		2.22 A	3.61 A	5.55 A	4.4 A (Convection) 5.5 A (with 10 CFM Forced Air)	1.67 A	2.71 A	4.17 A	3.3 A (Convection) 4.2 A (with 10 CFM Forced Air)
Output Power		40 W	65 W	100 W	80 W (Convection) 100 W (with 10 CFM Forced Air)	40 W	65 W	100 W	80 W (Convection) 100 W (with 10 CFM Forced Air)
Load Regulation		± 1%						± 1%	
Ripple & Noise (typ.)		14.8 mVpp	20.8 mVpp	28.8 mVpp	88 mVpp	34 mVpp	32.8 mVpp	55.2 mVpp	58.4 mVpp
Input									
Input Voltage Range		90-264 V _{AC}							
Input Frequency		47-63 Hz							
Efficiency (typ.)	115 V _{AC} 230 V _{AC}	86.9%	87.7%	91.24%	87.6%	86.3%	88.4%	91.08%	89.3%
	264 V _{AC}	-		< 0.15 mA @ NC, < 0.3 mA @ SFC				-	
Earth Leakage Current ¹⁾	264 V _{AC}	-		< 0.15 mA @ NC, < 0.3 mA @ SFC				< 0.15 mA @ NC, < 0.3 mA @ SFC	
Touch Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.3 mA @ SFC							
Mechanical									
Dimensions (L × W × H)	mm	76.2 × 50.8 × 23	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8	76.2 × 50.8 × 23	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8
	inch	3.00 × 2.00 × 0.91	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25	3.00 × 2.00 × 0.91	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25
Unit Weight	kg	0.08	0.13	0.21	0.15	0.08	0.13	0.21	0.15
	lb	0.18	0.29	0.46	0.33	0.18	0.29	0.46	0.33
MTBF ²⁾		3,000,000 hrs	2,500,000 hrs	3,000,000 hrs	1,000,000 hrs	3,000,000 hrs	2,500,000 hrs	3,000,000 hrs	1,000,000 hrs
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B					EN 55011/EN 55032, FCC Title 47: Class B		
Environment									
Operating Temperature ³⁾		-10°C to +70°C					-10°C to +70°C		
Storage Temperature		-40°C to +85°C					-40°C to +85°C		
Operating Humidity		10 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)		10 to 95% RH (Non-Condensing)	10 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)		10 to 95% RH (Non-Condensing)
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			0 to 5,000 m (0 to 16,400 ft)		0 to 3,000 m (0 to 9,840 ft)		
Medical Rating									
Float Rating		BF					BF		
MOPP		2 × MOPP					2 × MOPP		

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332.
- 3) Refer power de-rating in the product datasheet.

MDS (12 V, 18 V, 24 V)



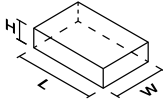
- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Class B Conducted and Radiated EMI
- Enclosed cover design option available
- Suitable for type BF medical products
- 2 × MOPP isolation
- Power Good signal

Applications



Model		MDS-250APB12 A□	MDS-300APB12 AA	MDS-400APB12 A□	MDS-300APB18 A□	MDS-250APB24 A□	MDS-300APB24 A□	MDS-400APB24 A□
Output								
Output Voltage		12 V	12 V	12 V	18 V	24 V	24 V	24 V
Output Current (Max)		12.5 A (Convection) 20.84 A (with 10 CFM Forced Air)	18.33 A (Convection) 25.0 A (with 10 CFM Forced Air)	16.67 A (Convection) 33.33 A (with 16 CFM Forced Air)	12.22 A (Convection) 16.66 A (with 10 CFM Forced Air)	6.25 A (Convection) 10.41 A (with 10 CFM Forced Air)	10.0 A (Convection) 12.5 A (with 10 CFM Forced Air)	16.66 A (with 10 CFM Forced Air)
Output Power		150 W (Convection) 250 W (with 10 CFM Forced Air)	220 W (Convection) 300 W (with 10 CFM Forced Air)	200 W (Convection) 400 W (with 16 CFM Forced Air)	220 W (Convection) 300 W (with 10 CFM Forced Air)	150 W (Convection) 250 W (with 10 CFM Forced Air)	240 W (Convection) 300 W (with 10 CFM Forced Air)	400 W (with 10 CFM Forced Air)
Load Regulation		± 1%				± 1%		
Ripple & Noise (typ.)		120 mVpp			180 mVpp	240 mVpp		
Input								
Input Voltage Range		90-264 V _{AC}				90-264 V _{AC}		
Input Frequency		47-63 Hz				47-63 Hz		
Efficiency (typ.)	115 V _{AC} (60 Hz)	89.45%	91.3%	89.5%	92.5%	91.85%	93.0%	92.0%
	230 V _{AC} (50 Hz)	90.5%	92.6%	91.5%	93.5%	92.98%	94.0%	93.0%
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.3 mA @ SFC				< 0.1 mA @ NC, < 0.3 mA @ SFC		
Touch Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.5 mA @ SFC				< 0.1 mA @ NC, < 0.5 mA @ SFC		
Mechanical								
Dimensions (L × W × H)	mm	127.3 × 76.5 × 36.6	127.3 × 76.5 × 36.6	127.3 x 76.5 x 36.6	127.3 × 76.5 × 36.6	127.3 × 76.5 × 36.6	127.3 × 76.5 × 36.6	127.3 x 76.5 x 36.6
	inch	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44	5.01 × 3.01 × 1.44
Unit Weight	kg	0.41	0.41	0.41	0.41	0.41	0.41	0.41
	lb	0.90	0.90	0.90	0.90	0.90	0.90	0.90
MTBF ²⁾		500,000 hrs			800,000 hrs	500,000 hrs	800,000 hrs	500,000 hrs
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B				EN 55011/EN 55032, FCC Title 47: Class B		
Environment								
Operating Temperature ³⁾		-10°C to +70°C				-10°C to +70°C		
Storage Temperature		-40°C to +85°C				-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)				5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				0 to 5,000 m (0 to 16,400 ft)		
Medical Rating								
Float Rating		BF				BF		
MOPP		2 × MOPP				2 × MOPP		

Dimensions Reference



Notes

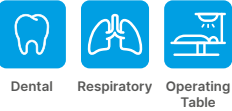
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load for Convection, Ta: 35°C).
For MDS-400APB12 A□, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load with 16 CFM Forced Air, Ta: 35°C).
For MDS-400APB24 A□, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load with 10 CFM Forced Air, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MDS (36 V, 48 V)



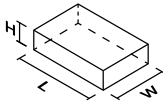
- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Enclosed cover design option available
- Suitable for type BF medical products
- 2 × MOPP isolation
- Power Good signal

Applications



Model		MDS-200APB36 AA		MDS-300APB48 A□	
Output					
Output Voltage		36 V		48 V	
Output Current (Max)		3.33 A (Convection) 5.56 A (with 5.5 CFM Forced Air)		5.0 A (Convection) 6.25 A (with 10 CFM Forced Air)	
Output Power		120 W (Convection) 200 W (with 5.5 CFM Forced Air)		240 W (Convection) 300 W (with 10 CFM Forced Air)	
Load Regulation		± 2.5%		± 1%	
Ripple & Noise (typ.)		360mVpp		480mVpp	
Input					
Input Voltage Range		90-264 V _{AC}			
Input Frequency		47-63Hz			
Efficiency (typ.)	115 V _{AC} (60 Hz)	91.5%		92.5%	
	230 V _{AC} (50 Hz)	94.0%		93.5%	
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.3mA @ SFC			
Touch Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.5mA @ SFC			
Mechanical					
Dimensions (L × W × H)	mm	101.9 × 51.1 × 36.6		127.3 × 76.5 × 36.6	
	inch	4.01 × 2.01 × 1.44		5.01 × 3.01 × 1.44	
Unit Weight	kg	0.20		0.41	
	lb	0.44		0.90	
MTBF ²⁾		800,000hrs			
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B			
Environment					
Operating Temperature ³⁾		-10°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			
Medical Rating					
Float Rating		BF			
MOPP		2 × MOPP			

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load for Convection, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEU (12 V, 24 V, 48 V)



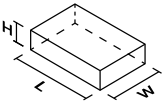
- Convection cooled
- Full power up to 50°C ambient
- 2 × MOPP isolation
- Suitable for type BF medical products
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- PMBus Ver 1.3 supported (for MEU-600C□T)
- Up to 500Khrs MTBF
- Normal and Reversed Option for Remote On/Off and Power Good Signal

Applications



Model		MEU-650A12T AAA	MEU-600C24T AAA	MEU-650A24T AAA	MEU-600C48T AAA	MEU-650A48T AAA
Output						
Output Voltage		12 V	24 V	24 V	48 V	48 V
Output Current (Max)		33.4 A (Convection) 50.0 A (with 11.8 CFM Forced Air)	25.0 A	18.75 A (Convection) 27.1 A (with 6.9 CFM Forced Air)	12.5 A	9.375 A (Convection) 13.6 A (with 11.8 CFM Forced Air)
Output Power		400 W (Convection) 600 W (with 11.8 CFM Forced Air)	600 W	450 W (Convection) 650 W (with 6.9 CFM Forced Air)	600 W	450 W (Convection) 650 W (with 6.9 CFM Forced Air)
Load Regulation		2%				
Ripple & Noise (typ.)		180 mVpp	240 mVpp	360 mVpp	480 mVpp	720 mVpp
Input						
Input Voltage Range		90-264 V _{AC}	85-264 V _{AC}	90-264 V _{AC}	85-264 V _{AC}	90-264 V _{AC}
Input Frequency		47-63 Hz				
Efficiency (typ.)	115 V _{AC} (60 Hz)	92.0%	92.5%	94.5%	94.0%	95.0%
	230 V _{AC} (50 Hz)	93.0%	94.0%	95.5%	95.0%	96.0%
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.3 mA @ NC, < 1 mA @ SFC				
Touch Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.5 mA @ SFC				
Mechanical						
Dimensions (L × W × H)	mm	152.4 × 101.6 × 40	203.2 × 127 × 40	152.4 × 101.6 × 40	203.2 × 127 × 40	152.4 × 101.6 × 40
	inch	6.00 × 4.00 × 1.57	8.00 × 5.00 × 1.57	6.00 × 4.00 × 1.57	8.00 × 5.00 × 1.57	6.00 × 4.00 × 1.57
Unit Weight	kg	0.80	1.30	0.80	1.30	0.80
	lb	1.76	2.87	1.76	2.87	1.76
MTBF ²⁾		500,000 hrs				
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B				
Environment						
Operating Temperature ³⁾		-20°C to +70°C				
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				
Medical Rating						
Float Rating		BF				
MOPP		2 × MOPP				

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load for Convection, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEP (12V, 15V, 18V, 24V, 48V)

- Suitable for type BF medical products
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Class B conducted and radiated EMI
- Compact size, applicable to Class I/II system

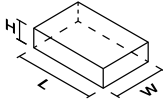


Applications



Model		MEP-25A15J BNA		MEP-120A12J BNA		MEP-200A12J BNA		MEP-120A15J BNA		MEP-120A18J BNA		MEP-120A24J BNA		MEP-200A24J BNA		MEP-200A48J BNA			
Output																			
Output Voltage		15 V		12 V		12 V		15 V		18 V		24 V		24 V		48 V			
Output Current (Max)		1.67 A		9.5 A		16.67 A		8.0 A		6.67 A		5.0 A		8.34 A		4.17 A			
Output Power		25 W		114 W		200 W		120 W		120 W		120 W		200 W		200 W			
Load Regulation		1%		1%		2%		1%		1%		1%		2%		2%			
Ripple & Noise (typ.)		120 mVpp		100 mVpp		150 mVpp		120 mVpp		150 mVpp		150 mVpp		100 mVpp		100 mVpp			
Input																			
Input Voltage Range		90-264 V _{AC}												90-264 V _{AC}					
Input Frequency		47-63 Hz												47-63 Hz					
Efficiency (typ.)	115 V _{AC} (60 Hz)	85.7%	91.0%	92.4%	91.5%				92.0%				93.3%		93.8%				
	230 V _{AC} (50 Hz)	86.5%	93.5%	93.8%	93.5%				94.0%				94.7%		95.4%				
Earth Leakage Current ¹⁾	264 V _{AC}	< 0.1mA @ NC, < 0.35 mA @ SFC		< 0.1mA @ NC, < 1mA @ SFC		< 71µA @ NC, < 156µA @ SFC		< 0.1mA @ NC, < 1mA @ SFC		< 0.1mA @ NC, < 1mA @ SFC		< 71µA @ NC, < 156µA @ SFC		< 71µA @ NC, < 156µA @ SFC					
Touch Current ¹⁾	264 V _{AC}	< 0.05mA @ NC, < 0.15 mA @ SFC		< 0.1mA @ NC, < 0.5 mA @ SFC		< 71µA @ NC, < 159µA @ SFC		< 0.1mA @ NC, < 0.5 mA @ SFC		< 0.1mA @ NC, < 0.5 mA @ SFC		< 0.1mA @ NC, < 0.5 mA @ SFC		< 71µA @ NC, < 159µA @ SFC					
Mechanical																			
Dimensions (L × W × H)	mm	76.2 × 50.8 × 23		76.2 × 50.8 × 31		101.6 × 50.8 × 28.5		76.2 × 50.8 × 31		76.2 × 50.8 × 31		76.2 × 50.8 × 31		101.6 × 50.8 × 28.5		101.6 × 50.8 × 28.5			
	inch	3.00 × 2.00 × 0.91		3.00 × 2.00 × 1.22		4.00 × 2.00 × 1.12		3.00 × 2.00 × 1.22		3.00 × 2.00 × 1.22		3.00 × 2.00 × 1.22		4.00 × 2.00 × 1.12		4.00 × 2.00 × 1.12			
Unit Weight	kg	0.70		0.14		0.21		0.14		0.14		0.14		0.21		0.21			
	lb	2.47		0.31		0.46		0.31		0.31		0.31		0.46		0.46			
MTBF ²⁾		3,000,000 hrs		700,000 hrs		1,000,000 hrs		700,000 hrs		700,000 hrs		700,000 hrs		1,000,000 hrs		1,000,000 hrs			
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B																	
EN 55011/EN 55032, FCC Title 47: Class B		EN 55011/EN 55032, FCC Title 47: Class B																	
Environment																			
Operating Temperature ³⁾		-10°C to +70°C		-30°C to +70°C								-30°C to +70°C							
Storage Temperature		-40°C to +85°C																	
Operating Humidity		-40°C to +85°C																	
Operating Humidity		5 to 95% RH (Non-Condensing)																	
Operating Altitude		5 to 95% RH (Non-Condensing)																	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)																	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)																	
Medical Rating																			
Float Rating		BF																	
MOPP		BF																	
MOPP		2 × MOPP																	
MOPP		2 × MOPP																	

Dimensions Reference



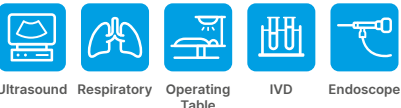
- Notes
- 1) NC: normal condition, SFC: single fault condition.
- 2) For MEP-25A15J BNA, MTBF as per Telcordia SR-332 (I/P: 100 V_{AC}, O/P: 100% load, Ta: 25°C).
For MEP-120A□J BNA, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC} & 230 V_{AC}, Ta: 25°C).
For MEP-200A□J BNA, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 170 W for Convection, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEP (12V, 18V, 24V, 48V)



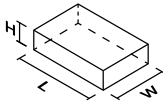
- 3" x 5" x 1.3" package with base
- Up to 500W output with fan cooling
- 5V / 2A standby output
- Built-in remote ON/OFF function
- Digital voltage trimming
- Up to 85°C operating temperature

Applications



NEW		NEW		NEW		NEW	
Model		MEP-500A12J BRA		MEP-500A18J BRA		MEP-500A24J BRA	
Output		12 V		18 V		24 V	
Output Voltage Trimming Range		10.8-13.2 V		15.0-18.0 V		21.6-26.4 V	
Output Current (Max)		25.0 A (Convection) 41.7 A (with 16 CFM Forced Air)		16.67 A (Convection) 27.8 A (with 16 CFM Forced Air)		12.5 A (Convection) 20.9 A (with 16 CFM Forced Air)	
Output Power		300 W (Convection) 500 W (with 16 CFM Forced Air)		300 W (Convection) 500 W (with 16 CFM Forced Air)		300 W (Convection) 501 W (with 16 CFM Forced Air)	
Load Regulation				± 1%			
Ripple & Noise (typ.)		80 mVpp		120 mVpp		140 mVpp	
Input							
Input Voltage Range				85-264 V _{AC}			
Input Frequency				47-63 Hz			
Efficiency at 100% Load (typ.)	115 V _{AC}	91.0%	91.5%	92.0%	92.0%		
	230 V _{AC}	94.0%	94.5%	95.0%	95.0%		
Touch Current ¹⁾				< 0.1 mA @ NC, < 0.3 mA @ SFC			
Leakage Current ¹⁾				< 0.1 mA @ NC, < 0.5 mA @ SFC			
Mechanical							
Dimensions (L × W × H)	mm	127 × 76.2 × 33.1	127 × 76.2 × 33.1	127 × 76.2 × 33.1	127 × 76.2 × 33.1		
	inch	5.00 × 3.00 × 1.30	5.00 × 3.00 × 1.30	5.00 × 3.00 × 1.30	5.00 × 3.00 × 1.30		
Unit Weight	kg	0.41	0.41	0.41	0.41		
	lb	0.90	0.90	0.90	0.90		
MTBF ²⁾				> 1,000,000 hrs			
EMC & Emissions				EN 55011/EN 55032: Class B			
Environment							
Operating Temperature ³⁾				-30°C to +85°C			
Storage Temperature				-40°C to +85°C			
Operating Humidity				10 to 95% RH (Non-Condensing)			
Operating Altitude				0 to 5,000 m (0 to 16,400 ft)			
Medical Rating							
Float Rating				BF			
MOPP				2 × MOPP			

Dimensions Reference



Notes

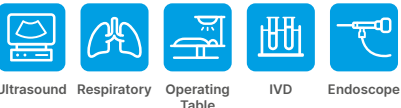
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (: I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEP (24V)



- GaN based technology
- 3" x 5" x 1.5" package with base
- Up to 26.67 W/inch³ power density
- Up to 450W output with natural convection cooling
- 5V / 2A standby output
- Built-in remote ON/OFF & current sharing function
- Digital voltage trimming
- Up to 80°C operating temperature

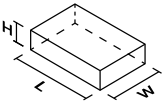
Applications



NEW

Model		MEP-600A24J BRA
Output		
Output Voltage		24 V
Output Voltage Trimming Range		24-28 V
Output Current (Max)		16.67 A (Convection) 25.0 A (with 10.873 CFM Forced Air)
Output Power		600 W (Convection) 450 W (with 10.873 CFM Forced Air)
Load Regulation		2%
Ripple & Noise (typ.)		240 mVpp
Input		
Input Voltage Range		90-264 V _{AC}
Input Frequency		47-63 Hz
Efficiency at 100% Load (typ.)	115 V _{AC}	93.6%
	230 V _{AC}	95.3%
Touch Current ¹⁾		< 0.1 mA @ NC, < 0.5 mA @ SFC
Leakage Current ¹⁾		< 0.3 mA @ NC, < 1.0 mA @ SFC
Mechanical		
Dimensions (L × W × H)	mm	127 × 76.2 × 39
	inch	5.00 × 3.00 × 1.50
Unit Weight	kg	0.44
	lb	1.00
MTBF ²⁾		> 500,000 hrs
EMC & Emissions		EN 55011/EN 55032: Class B
Environment		
Operating Temperature ³⁾		-20°C to +80°C
Storage Temperature		-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)
Medical Rating		
Float Rating		BF
MOPP		2 × MOPP

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (: I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

ATX Power Supply

MDS

- Universal AC input voltage range
- Safety approvals for medical and IT applications
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Suitable for type BF patient access applications
- ATX 12 V standard function & form factor
- Maximum output power of 350 watts
- Built-in active PFC



Applications



Medical PC

Model		MDS-350AD701						
Output								
Output Voltage		+3.3 V	+5 V	+5 V _{SB}	+12 V ₁	+12 V ₂	-12 V	-5 V
Output Current (Nom)		8.0 A	9.0 A	1.25 A	8.0 A	8.0 A	0.25 A	0.1 A
Output Power		350 W						
Load Regulation		± 5%					± 10%	
Ripple & Noise (typ.)		50 mVpp	50 mVpp	150 mVpp	120 mVpp	120 mVpp	120 mVpp	50 mVpp
Input								
Input Voltage Range		90-264 V _{AC}						
Input Frequency		47-63 Hz						
Efficiency (typ.)	115 V _{AC} (60 Hz)	82.0%						
	230 V _{AC} (50 Hz)	85.0%						
Leakage Current ¹⁾		< 0.1 mA @ NC, < 0.3 mA @ SFC						
Mechanical								
Dimensions (L × W × H)	mm	194 × 100 × 40.5						
	inch	7.64 × 3.94 × 1.59						
Unit Weight	kg	1.20						
	lb	2.65						
MTBF ²⁾		500,000 hrs						
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B						
Environment								
Operating Temperature ³⁾		0°C to +50°C						
Storage Temperature		-40°C to +85°C						
Operating Humidity		5 to 95% RH (Non-Condensing)						
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)						
Medical Rating								
Float Rating		BF						
MOPP		2 × MOPP						

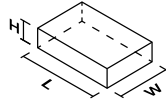


MDS

Medical ATX power supply with built-in fan cooling

Power Range: 350 W

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
 - 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 35°C).
 - 3) Refer power de-rating in the product datasheet.

Adapters



MDS

General adapter for medical application
Power Range: 5-90 W



MEA

New generation adapter with compact size and high power density design
Power Range: 65-300 W

Applications



CPAP

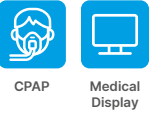


Medical Display

MDS (5V, 12V, 15V, 24V)

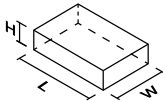
- Universal AC input voltage range
- Over-Voltage/Load/Temperature & Short Circuit Protections
- Low touch current (< 0.1mA Normal & < 0.3mA Single Fault)
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Safety approvals for medical and IT applications
- IP22 Ingress Protection Rating
- 2 × MOPP isolation

Applications



Model	MDS-005AAS05 □□		MDS-030AAC05 A□		MDS-030AAC12 □□		MDS-030AAC15 A□		MDS-030AAC24 A□		MDS-090BAS24 AB		
Output													
Output Voltage		5 V		5 V		12 V		15 V		24 V		24 V	
Output Current (Max)		1.0 A		3.0 A		2.0 A		2.0 A		1.25 A		3.75 A	
Output Power		5 W		15 W		24 W		30 W		30 W		90 W	
Load Regulation		± 9%		± 5%		± 5%		± 5%		± 5%		± 4.5%	
Ripple & Noise		88 mV pk-pk @ full load		< 100 mV pk-pk @ rated load		< 150 mV pk-pk @ rated load		< 200 mV pk-pk @ rated load		< 200 mV pk-pk @ rated load		107.2 mV pk-pk @ full load	
Input													
Input Voltage Range		90-264 V _{AC}		85-264 V _{AC}		85-264 V _{AC}		85-264 V _{AC}		85-264 V _{AC}		90-264 V _{AC}	
Input Frequency				47-63 Hz		47-63 Hz		47-63 Hz		47-63 Hz		47-63 Hz	
Average Efficiency	115 V _{AC}	73.63%		81.4%		86.21%		87.0%		87.0%		87.61%	
	230 V _{AC}												
Touch Current ¹⁾		264 V _{AC}		< 0.1 mA @ NC, < 0.3 mA @ SFC		< 0.1 mA @ NC, < 0.3 mA @ SFC		< 0.1 mA @ NC, < 0.3 mA @ SFC		< 0.1 mA @ NC, < 0.3 mA @ SFC		< 0.1 mA @ NC, < 0.3 mA @ SFC	
Leakage Current ¹⁾		264 V _{AC}		-		< 0.1 mA @ NC, < 0.5 mA @ SFC		< 0.1 mA @ NC, < 0.5 mA @ SFC		< 0.1 mA @ NC, < 0.5 mA @ SFC		-	
Mechanical													
Dimensions (L × W × H)	mm	56.5 × 39.5 × 28		88 × 53.5 × 27.5		88 × 53.5 × 27.5		88 × 53.5 × 27.5		88 × 53.5 × 27.5		150 × 75 × 40	
	inch	2.23 × 1.56 × 1.10		3.46 × 2.11 × 1.08		3.46 × 2.11 × 1.08		3.46 × 2.11 × 1.08		3.46 × 2.11 × 1.08		5.91 × 2.95 × 1.57	
Unit Weight	kg	0.10		0.15		0.15		0.15		0.15		0.50	
	lb	0.22		0.33		0.33		0.33		0.33		1.10	
Connector Type		MDS-005AAS05 A□: Input: Wall mount – CN; Output: AV: Barrel type; AU: Micro USB MDS-005AAS05 B□: Input: Wall mount – US; Output: BY: Barrel type; BU: Micro USB MDS-005AAS05 C□: Input: Wall mount – EU; Output: CY: Barrel type; CU: Micro USB MDS-030AAC series: Output connector: Barrel type. For details, please refer to the technical datasheet.											
MTBF ²⁾		1,000,000 hrs		500,000 hrs		500,000 hrs		500,000 hrs		500,000 hrs		1,000,000 hrs	
EMC & Emissions		EN 55011/EN 55032: Class B											
Environment													
Operating Temperature ³⁾		0°C to +40°C											
Storage Temperature		-40°C to +85°C											
Operating Humidity		5 to 95% RH (Non-Condensing)											
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)		0 to 5,000 m (0 to 16,400 ft)		0 to 5,000 m (0 to 16,400 ft)		0 to 5,000 m (0 to 16,400 ft)		0 to 5,000 m (0 to 16,400 ft)		10 to 95% RH (Non-Condensing)	
Degree of Protection		IP22											
Protection Against Shock		Class II											
Medical Rating													
Float Rating		BF											
MOPP		2 × MOPP											

Dimensions Reference



Notes

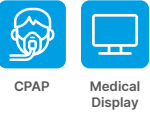
- 1) NC: normal condition, SFC: single fault condition.
2) MTBF as per Telcordia SR-332.
For MDS-030AAC05 □□ and MDS-030AAC□ □□, MTBF as per Telcordia SR-332 (I/P: 100 V_{AC}, O/P: 100% load, Ta: 25°C).
3) Refer power de-rating in the product datasheet.

MEA (12V, 15V, 19V, 24 V)

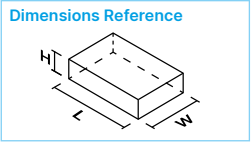


- Universal AC input voltage range
- Meets DoE Level VI
- Low leakage current
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Safety approvals for medical and IT applications

Applications



Model		MEA-065A12C □-A	MEA-065A15C A-A	MEA-065A19C A-A	MEA-065A24C □-A
Output					
Output Voltage		12 V	15 V	19 V	24 V
Output Current (Max)		5.0 A	4.33 A	3.42 A	2.71 A
Output Power		60 W	65 W	65 W	65 W
Load Regulation		± 4.5%			
Ripple & Noise		1%			
Input					
Input Voltage Range		90-264 V _{AC}			
Input Frequency		47-63 Hz			
Average Efficiency	115 V _{AC}	88.0%		89.0%	
	230 V _{AC}				
Touch Current ¹⁾		< 0.1mA @ NC, < 0.3mA @ SFC			
Leakage Current ¹⁾		< 0.1mA @ NC, < 0.3mA @ SFC			
Mechanical					
Dimensions (L × W × H)	mm	115 × 50 × 29	115 × 50 × 29	115 × 50 × 29	115 × 50 × 29
	inch	4.53 × 1.97 × 1.14	4.53 × 1.97 × 1.14	4.53 × 1.97 × 1.14	4.53 × 1.97 × 1.14
Unit Weight	kg	0.25	0.25	0.25	0.25
	lb	0.55	0.55	0.55	0.55
Connector Type		MEA-065A□C A-A: Input: C14 socket; Output: Tuning Fork type, 180° MEA-065A12C 6-A, MEA-065A24C 6-A: Input: C14 socket; Output: 4-pin DIN MEA-065A12C V-A, MEA-065A19C V-A: Input: C14 socket; Output: Tuning Fork type, 90°			
MTBF ²⁾		1,000,000 hrs			
EMC & Emissions		EN 55011/EN 55032			
Environment					
Operating Temperature ³⁾		-10°C to +60°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		10 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			
Degree of Protection		IP22			
Protection Against Shock		Class I			
Medical Rating					
Float Rating		B			
MOPP		2 × MOPP			



Notes
1) NC: normal condition, SFC: single fault condition.
2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
3) Refer power de-rating in the product datasheet.

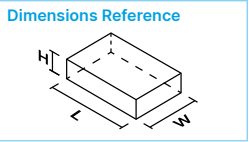
MEA (12V, 15V, 19V, 24 V)



- Class II, Double Isolation (No Earth connection is required)
- Meets DoE Level VI & CoC Tier 2 energy requirements
- Low leakage current
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4.1 requirements
- Safety approvals for medical and IT applications
- Limited Power Source (LPS) certified

Applications

NEW		NEW		NEW		NEW			
Model		MEA-065A12B A-A		MEA-065A15B A-A		MEA-065A19B A-A		MEA-065A24B A-A	
Output									
Output Voltage		12 V		15 V		19 V		24 V	
Output Current (Max)		5.0 A		4.33 A		3.42 A		2.71 A	
Output Power		60 W		65 W		65 W		65 W	
Load Regulation		± 4.5%							
Ripple & Noise		120 mVpp		150 mVpp		190 mVpp		240 mVpp	
Input									
Input Voltage Range		90-264 V _{AC}							
Input Frequency		47-63 Hz							
Average Efficiency	115 V _{AC}	89.0%							
	230 V _{AC}								
Touch Current ¹⁾		264 V _{AC}		< 0.1 mA @ NC, < 0.3 mA @ SFC					
Leakage Current ¹⁾		264 V _{AC}		< 0.1 mA @ NC, < 0.3 mA @ SFC					
Mechanical									
Dimensions (L × W × H)		mm	120 × 50 × 32	120 × 50 × 32		120 × 50 × 32		120 × 50 × 32	
		inch	4.72 × 1.97 × 1.26	4.72 × 1.97 × 1.26		4.72 × 1.97 × 1.26		4.72 × 1.97 × 1.26	
Unit Weight		kg	0.25	0.25		0.25		0.25	
		lb	0.55	0.55		0.55		0.55	
Connector Type		Input: C8 socket; Output: Tuning Fork type							
MTBF ²⁾		1,000,000 hrs							
EMC & Emissions		EN 55011/EN 55032: Class B							
Environment									
Operating Temperature ³⁾		-10°C to +60°C							
Storage Temperature		-40°C to +85°C							
Operating Humidity		10 to 95% RH (Non-Condensing)							
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)							
Degree of Protection		IP22							
Protection Against Shock		Class II							
Medical Rating									
Float Rating		BF							
MOPP		2 × MOPP							



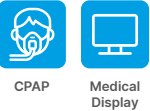
Notes
1) NC: normal condition, SFC: single fault condition.
2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
3) Refer power de-rating in the product datasheet.

MEA (12V, 15V, 19V, 24 V)



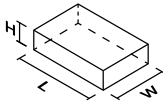
- Universal AC input voltage range
- Meets DoE Level VI
- Low leakage current
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Safety approvals for medical and IT applications

Applications



Model	MEA-090A12C □-A		MEA-090A15C □-A	MEA-090A19C □-A	MEA-090A24C □-A
Output					
Output Voltage	12 V		15 V	19 V	24 V
Output Current (Max)	6.75 A		6 A	4.74 A	3.75 A
Output Power	81 W		90 W	90 W	90 W
Load Regulation	± 4.5%				
Ripple & Noise	1%				
Input					
Input Voltage Range	90-264 V _{AC}				
Input Frequency	47-63 Hz				
Average Efficiency	115 V _{AC}	88.0%	89.0%		
	230 V _{AC}	89.0%			
Touch Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.3 mA @ SFC			
Leakage Current ¹⁾	264 V _{AC}	< 0.1 mA @ NC, < 0.5 mA @ SFC			
Mechanical					
Dimensions (L × W × H)	mm	135 × 62 × 32	135 × 62 × 32	135 × 62 × 32	135 × 62 × 32
	inch	5.31 × 2.44 × 1.26	5.31 × 2.44 × 1.26	5.31 × 2.44 × 1.26	5.31 × 2.44 × 1.26
Unit Weight	kg	0.31	0.31	0.31	0.31
	lb	0.68	0.68	0.68	0.68
Connector Type	MEA-090A□C 6-A: Input: C14 socket; 4 pin DIN, 180°, 1.2m MEA-090A□C V-A: Input: C14 socket; Output: Tuning Fork type, 90° MEA-090A12C W-A, MEA-090A15C W-A: Input: C14 socket; Output: Tuning Fork type, 180°				
MTBF ²⁾	1,000,000 hrs				
EMC & Emissions	EN 55011/EN 55032				
Environment					
Operating Temperature ³⁾	-10°C to +60°C				
Storage Temperature	-40°C to +85°C				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 5,000 m (0 to 16,400 ft)				
Degree of Protection	IP22				
Protection Against Shock	Class I				
Medical Rating					
Float Rating	B				
MOPP	2 × MOPP				

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
- 3) Refer power de-rating in the product datasheet.

MEA (12V, 15V, 19V, 24 V)

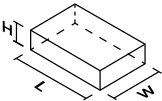


- Universal AC input voltage range
- Meets DoE Level VI / VII & CoC Tier 2 energy requirements
- Low leakage current
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4.1 requirements
- Safety approvals for medical and IT applications

Applications

NEW		NEW		NEW		NEW			
Model		MEA-160A12C GAA		MEA-160A15C GAA		MEA-160A19C GAA		MEA-160A24C GAA	
Output									
Output Voltage		12 V		15 V		19 V		24 V	
Output Current (Max)		12.5 A		10.67 A		8.42 A		6.67 A	
Output Power		150 W		160 W		160 W		160 W	
Load Regulation		± 6.5%		± 5%				± 4%	
Ripple & Noise		150 mVpp				190 mVpp		240 mVpp	
Input									
Input Voltage Range		85-264 V _{AC}							
Input Frequency		47-63 Hz							
Average Efficiency	115 V _{AC}	90.0%		90.5%		91.0%			
	230 V _{AC}	91.0%		92.5%		93.0%			
Touch Current ¹⁾		264 V _{AC}		< 0.1 mA @ NC, < 0.1 mA @ SFC					
Leakage Current ¹⁾		264 V _{AC}		< 0.1 mA @ NC, < 0.1 mA @ SFC					
Mechanical									
Dimensions (L × W × H)	mm	150 × 65 × 32		150 × 65 × 32		150 × 65 × 32		150 × 65 × 32	
	inch	5.91 × 2.56 × 1.26		5.91 × 2.56 × 1.26		5.91 × 2.56 × 1.26		5.91 × 2.56 × 1.26	
Unit Weight	kg	0.45		0.45		0.45		0.45	
	lb	0.99		0.99		0.99		0.99	
Connector Type		Input: C14 socket; Output: 4 Pin DIN							
MTBF ²⁾		500,000 hrs							
EMC & Emissions		EN 55011/EN 55032: Class B							
Environment									
Operating Temperature ³⁾		-20°C to +60°C							
Storage Temperature		-40°C to +85°C							
Operating Humidity		20 to 90% RH (Non-Condensing)							
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)							
Degree of Protection		IP22							
Protection Against Shock		Class I							
Medical Rating									
Float Rating		BF							
MOPP		2 × MOPP							

Dimensions Reference



- Notes
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
- 3) Refer power de-rating in the product datasheet.

MEA (24 V)

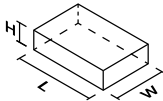


- Universal AC input voltage range
- Meets DoE Level VI
- Low leakage current
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Safety approvals for medical and IT applications

Applications

NEW	
MEA-300A24C HAA	
	24 V
	12.5 A
	300 W
± 4.5%	
240 mVpp	
90-264 V _{AC}	
47-63 Hz	
	91.0%
0.1 mA @ NC, < 0.3 mA @ SFC	
	< 0.2 mA @ NC, < 0.3 mA @ SFC
	200 × 100 × 43
	7.87 × 3.94 × 1.69
	1.06
	2.34
C14 socket; Output: 6-pin mini-fit (MOLEX 39-01-2060)	
C14 socket; Output: 6-pin mini-fit (MOLEX 39-01-2060)	
500,000 hrs	
EN 55011/EN 55032: Class B	
	-10°C to +60°C
	-40°C to +85°C
to 95% RH (Non-Condensing)	
0 to 5,000 m (0 to 16,400 ft)	
IP22	
Class I	
BF	
2 × MOPP	

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) For MEA-250A24C H-A, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 100% load, Ta: 25°C).
For MEA-300A24C HAA, MTBF as per Telcordia SR-332 (I/P: 100 V_{AC}, O/P: 100% load, Ta: 25°C).
- 3) Refer power de-rating in the product datasheet.

Notes

I Warranty

Delta warrants that the products (“Products”) sold in this catalog will be free of defects in material and workmanship within the warranty period. The warranty does not apply to Products which have been subjected to abuse, misuse, accident, neglect, unauthorized and/or improper installation, operation, use, maintenance, repair or alteration, or accident of unusual deterioration or degradation of the Products or parts thereof due to physical environment beyond the requirements of the Product specifications.

I Attention

Delta provides all information in the catalog and datasheets on an “AS IS” basis and does not offer any kind of warranty through the information for using the product. In the event of any discrepancy between the information in the catalog and datasheets, the datasheets shall prevail (please refer to **www.DeltaPSU.com** for the latest datasheets information). Delta shall have no liability of indemnification for any claim or action arising from any error for the provided information in the catalog and datasheets. Customer shall take the responsibility for evaluation of using the product before placing an order with Delta.

Delta reserves the right to make changes to the information described in the catalog and datasheets without notice.

I EMC Directives

At Delta, all of our products are designed to meet the highest quality standards. All national and international safety certifications including EMC directives are conducted by qualified and independent laboratories. For EMC directives’ compliance, the power supplies are tested to ensure compliance as a stand-alone product. Power supplies like the panel mount and open frame types are typically considered component power supplies. Therefore, Delta cannot guarantee the system which is installed with Delta’s component power supply can meet the related EMC directives. Customers are advised to contact the system manufacturer for confirmation.

I Availability

Products with “New” tab are slated for official release with immediate effect, while products with “Coming Soon” tab are planned for future availability. Kindly contact your local Delta distributor for availability, ordering and delivery details. You may also get in touch with us via the Feedback Form on **www.DeltaPSU.com/feedback**.

Contact Us

For more information, find us at:

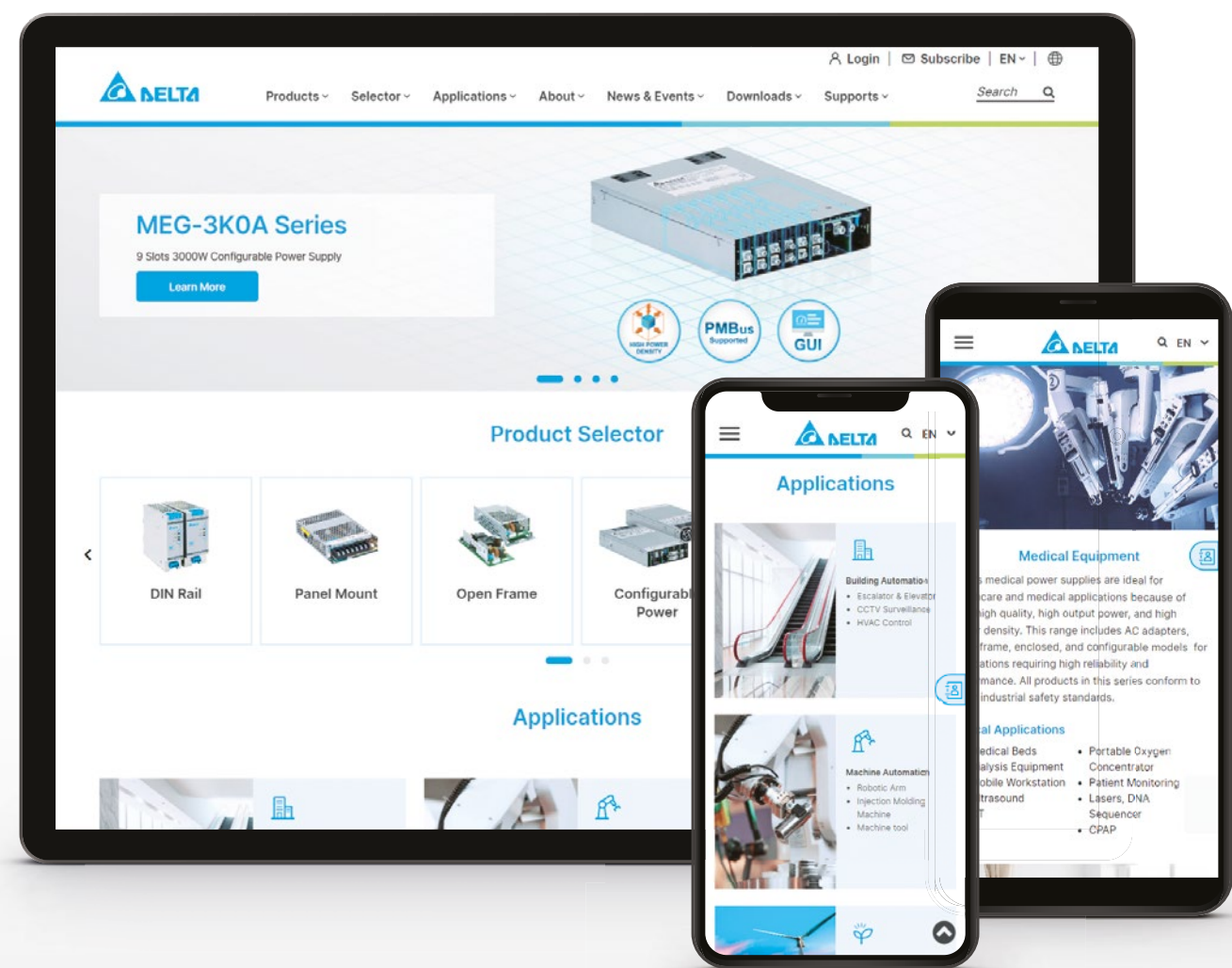
**LinkedIn**
www.linkedin.com/showcase/deltapsu

**YouTube**
www.youtube.com/@DeltaPSU

**Facebook**
www.facebook.com/DeltaPSU

Our responsive homepage adapts to desktop PC and mobile devices effortlessly.

Simply visit www.DeltaPSU.com for all your product needs.



Subscribe to DeltaPSU newsletter and be the first to know the latest product news and industry knowledge.

Empower Your Medical Equipment with Our Power Supplies



Global Operation & Service

Asia

Delta Electronics, Inc.

3 Tungyuan Road, Chungli Industrial Zone,
Taoyuan County 32063, Taiwan, R.O.C.

TEL: +886 3 452 6107

FAX: +886 3 452 7314

Delta Electronics (Shanghai) Co., Ltd China Headquarters

No. 182 Minyu Road, Pudong,
Shanghai, P.R.C. 201209

TEL: +86 21 6872 3988

FAX: +86 21 6872 3996

Delta Electronics (Thailand) PCL.

909 Soi 9, Moo 4, Bangpoo Industrial Estate
(E.P.Z.), Pattana 1 Rd., T. Phrakasa, A. Muang,
Samutprakarn 10280, Thailand

TEL: +66 2 709 2800

FAX: +66 2 709 2827

Delta Electronics India Pvt. Ltd.

Plot No. 43, Sector - 35, HSIIDC,
Gurgaon, Haryana 122001

TEL: +91 124 4874 900

+91 124 4169 040

FAX: +91 124 4874 945

Delta Electronics (Japan), Inc.

4-11-25 Shibaura, Minato-ku,
Tokyo, 108-0023, Japan

TEL: +81 3 6811 5800

FAX: +81 3 6811 5802

Delta Electronics (Korea), Inc.

1504, Byucksan Digital Valley 6-Cha,
Gasam-dong, Geumcheon-gu, Seoul,
153-704, Korea

TEL: +82 2 515 5303

+82 2 515 5305

FAX: +82 2 515 5302

Delta Electronics (Australia) Pty Ltd

20-21, 45 Normanby Rd.
Nothing Hill, VIC 3168, Australia

TEL: +61 9543 3720

FAX: +61 9544 0606

Delta Energy Systems (Singapore) Pte Ltd

4 Kaki Bukit Avenue 1
#05-04, Singapore 417939

TEL: +65 6747 5155

FAX: +65 6744 9228

North America

Delta Electronics (Americas) Ltd. North American Headquarters

46101 Fremont Blvd.

Fremont, CA 94538, U.S.A.

TEL: +1 510 668 5100

FAX: +1 510 668 0680

Central & South America

Delta Electronics International Mexico S.A. de C.V.

Centrum Park, Av. Gustavo Baz Prada 309
Edificio E Planta Baja, Col. La Loma, C.P.

54030 Tlalnepantla, Estado de México

TEL: +52 55 3603 9200

Delta Electronics (Brasil) Ltda

Estrada Velha Rio São Paulo, 5300-
Eugênio de Melo, 12247-001-São José dos
Campos-SP- Brasil

TEL: +55 12 3932 2300

Europe

Delta Electronics (Netherlands) B.V. EMEA Headquarters

Zandsteen 15

2132 MZ Hoofddorp, The Netherlands

TEL: +31 20 800 3900

Automotive Campus 260

5708 JZ Helmond, The Netherlands

TEL: +31 40 800 3900

Delta Greentech Elektronik (Turkey)

Şerifali Mah. Hendem Cad. Kule Sok. No: 16-A,
Ümraniye, İstanbul, Turkey

TEL: +90 216 499 99 10

FAX: +90 216 499 80 70



www.DeltaPSU.com

October 2025 (Rev. 00) - All information and specifications are subjected to change without prior notice.