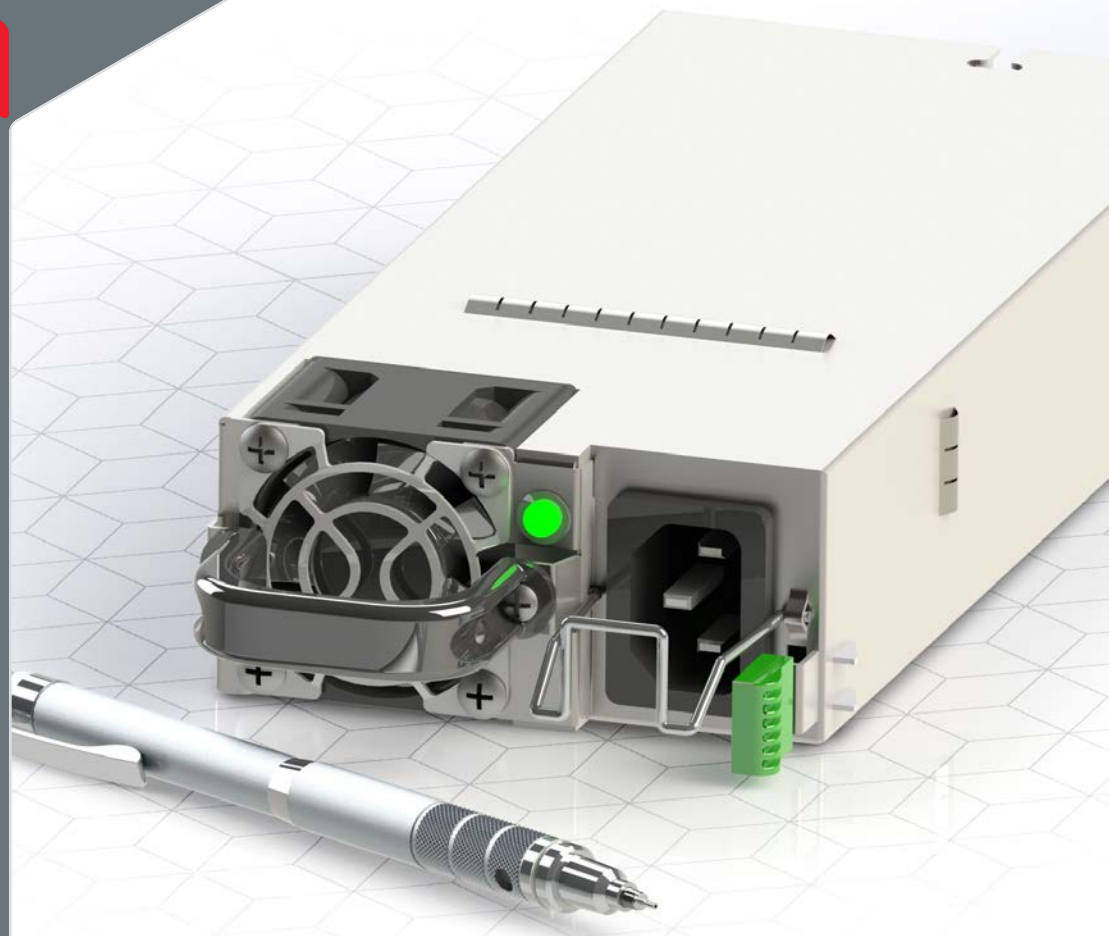


Latest products

Power supplies

40-400 Watt open frame AC-DC

460-7000 Watt enclosed AC-DC or DC-DC



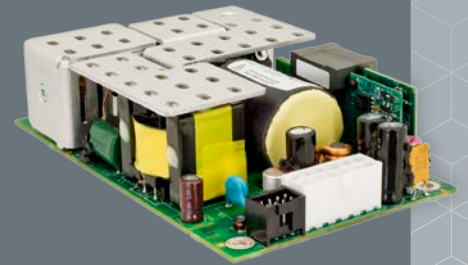
Open frame

MVAC250: AC-DC power supply 250 Watt high density, 3"x5"

- 20 to +70°C full power operation
- Active inrush protection
- Current share, remote on-off, PS_OK option (AFD)
- IEC60601 Ed.3 medical (2 x MOPP pri-sec)
- EN60950 ITE safety approved
- Droop current share and internal ORING (AFR)

Package dimensions

L	127mm	5"
W	76.2mm	3"
H	35.6mm	1.4"



	Natural convection cooling	Forced air cooling	Main output	Fan output	Typical efficiency
MVAC250-12xxx	170W	250W @ 250LFM	12V	12V @ 12W	94%
MVAC250-24xxx	170W	250W @ 250LFM	24V	12V @ 12W	94%
MVAC250-48xxx	170W	250W @ 250LFM	48V	12V @ 12W	94%
MVAC-COVER	Optional cover				

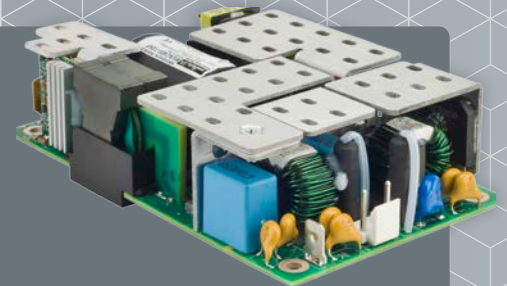


MVAC400: AC-DC power supply 400 Watt high density, 3"x5"

- Remote on-off, remote sense, and PS_OK
- Current sharing option (AFD)
- Active inrush protection
- IEC60601 Ed.3 medical (2 x MOPP pri-sec)
- EN60950 ITE safety approved
- Droop current share and internal ORING (AFR)

Package dimensions

L	127mm	5"
W	76.2mm	3"
H	35.6mm	1.4"



	Natural convection cooling	Forced air cooling	Main output	Fan output	Typical efficiency
MVAC400-12xxx	250W	400W @ 250LFM	12V	12V @ 12W	94%
MVAC400-24xxx	250W	400W @ 250LFM	24V	12V @ 12W	94%
MVAC400-48xxx	250W	400W @ 250LFM	50V	12V @ 12W	94%
MVAC-COVER	Optional cover				

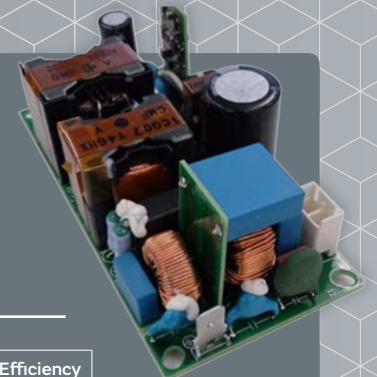


MVAD160: AC-DC power supply 160 Watt high density, 2"x4"

- 110W wide operating temperature range
- 2" x 4" standard footprint
- High efficiency up to 93%
- 3rd ed. medical and ITE safety approved

Package dimensions

L	5.8mm	2"
W	101.6mm	4"
H	38.1mm	1.5"



	Natural convection Ta=50°C	Conduction Ta=50°C	Forced air Ta=50°C	Main output	Aux output	Efficiency
MVAD160-125	110W	160W	160W @ 350LFM	12V	5V	92%
MVAD160-245	110W	160W	160W @ 350LFM	24V	5V	93%
MVAD160-485	110W	160W	160W @ 350LFM	48V	5V	93%
MVAD160-12	110W	160W	160W @ 350LFM	12V	-	92%
MVAD160-24	110W	160W	160W @ 350LFM	24V	-	93%
MVAD160-48	110W	160W	160W @ 350LFM	48V	-	93%



Open frame

MVAD040: AC-DC power supply 40 Watt high density, 2"x4"

- Convection-cooled operation up to 40W
- 2" x 4" standard footprint
- Universal AC input
- ITE (2nd) and medical 3rd ed. MOPP safety approved

Package dimensions

L	101.6mm	4"
W	50.8mm	2"
H	33.02mm	1.3"



	Natural convection cooling	Load current	Input voltage	Output voltage	Efficiency
MVAD040-12	40W	0 to 3.34A	90-264 Vac	12Vdc	87%
MVAD040-24	40W	0 to 1.67A	90-264 Vac	24Vdc	88%
MVAD040-48	40W	0 to 0.84A	90-264 Vac	48Vdc	89%



MVAD065: AC-DC power supply 65 Watt high density, 2"x4"

- Convection-cooled operation up to 65W
- 2" x 4" standard footprint
- Universal AC input
- ITE (2nd) and medical 3rd ed. MOPP safety approved

Package dimensions

L	101.6mm	4"
W	50.8mm	2"
H	33.02mm	1.3"



	Natural convection cooling	Load current	Input voltage	Output voltage	Efficiency
MVAD065-12	60W	0 to 5.0A	90-264 Vac	12Vdc	88%
MVAD065-24	65W	0 to 2.71A	90-264 Vac	24Vdc	89%
MVAD065-48	65W	0 to 1.36A	90-264 Vac	48Vdc	90%

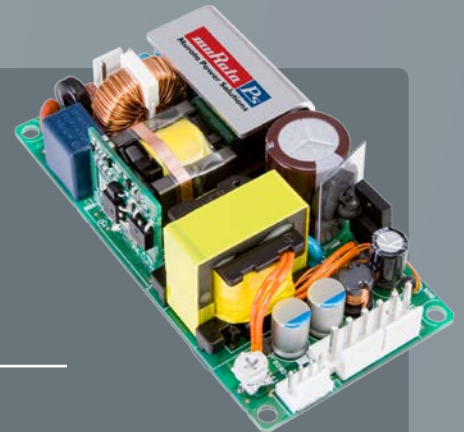


MVAB120: AC-DC power supply 120 Watt high density, 2"x4"

- Convection-cooled operation up to 75W
- -20°C to +50°C full power
- Universal AC input with active power factor correction
- ITE (2nd) and medical 3rd ed. MOOP safety approved

Package dimensions

L	101.6mm	4"
W	50.8mm	2"
H	33.02mm	1.3"



	Natural convection cooling	Load current	Input voltage	Output voltage	Efficiency
MVAB120-12	75W	120W @ 250LFM	90-264 Vac	12Vdc	88%
MVAB120-24	75W	120W @ 250LFM	90-264 Vac	24Vdc	90%
MVAB120-28	75W	120W @ 250LFM	90-264 Vac	28Vdc	90%
MVAB120-48	75W	120W @ 250LFM	90-264 Vac	48Vdc	91%



Enclosed front-end 1U

D1U54 series: AC-DC or DC-DC power supply

650 up to 1500 Watt

- Power density up to 35W/in³
- N+1 redundancy capable; hot plugging (up to 8 in parallel)
- PMBus™ / I²C interface with status indicators
- Active current sharing on 12V main output; ORing FET

Package dimensions

L	322.0mm	12.7"
W	54.5mm	2.15"
H	1U	1U



	Output power	Input voltage	Output voltage
D1U54P-W-1200-12-Hx	1200W	90-264Vac	12Vdc
D1U54-D-1200-12-Hx	1200W	40-72Vdc	12Vdc
D1U54P-W-1300-12-Hx	1300W	90-264Vac	12Vdc
D1U54P-W-650-12-Hx	650W	90-264Vac	12Vdc
D1U54-D-650-12-Hx	650W	40-72Vdc	12Vdc



D1U3CS series: AC-DC or DC-DC power supply

850 up to 1600 Watt

- Power density up to 21.7W/in³
- N+1 redundant, hot pluggable, ORing FET
- PMBus™ / I²C interface with status indicators
- Variable speed fan; active current sharing

Package dimensions

L	279.4mm	11"
W	81.3	3.2"
H	1U	1U



	Output power	Input voltage	Output voltage
D1U3CS-W-850-12-Hx	850W	90-264Vac	12Vdc
D1U3CS-W-1300F-12-Hx	1300W	90-264Vac	12Vdc
D1U3CS-D-1600-12-Hx	1600W	40-72Vdc	12Vdc



D1U86 series: AC-DC or DC-DC power supply

460 or 1600 Watt

- Power density 38.6W/in³
- N+1 redundancy capable; hot plugging (up to 8 in parallel)
- PMBus™ / I²C interface with status indicators
- Current sharing on 12V main output, ORing FET

Package dimensions

L	196.9mm	7.75"
W	86.4mm	3.4"
H	1U	1U



	Output power	Input voltage	Output voltage	Standby voltage
D1U86G-W-460-12-HBxDC	460W	90-264Vac	12Vdc	12Vdc
D1U86P-W-1600-12-HBxDC	1600W	90-264Vac	12Vdc	12Vdc
D1U86-D-1600-12-HBxDC	1600W	40-72Vdc	12Vdc	12Vdc



Enclosed front-end 1U

D1U4 series: AC-DC power supply

1200 to 2200 Watt, 12 or 54V dc, 1U

- Power density up to 17.9W/in³
- N+1 redundant, hot pluggable, ORing FET
- PMBus™ power management bus supported by dual redundant I²C interfaces
- PoE compatible

Package dimensions

L	355.6mm	14"
W	101.6mm	4"
H	1U	1U



	Output power	Input voltage	Output voltage
D1U4-W-1200-12	1200W	90-264Vac	12Vdc
D1U4-W-1600-12	1600W	90-264Vac	12Vdc
D1U4CS-D-2100-5X	2100W	40-72Vdc	54Vdc
D1U4CS-W-2200-12	2200W	90-264Vac	12Vdc
D1U4-W-1600-54-HBxC	1600W	90-264Vac	54Vdc



D1U series: AC-DC power supply

1200, 1600 or 2000 Watt

- Power density up to 21.9W/in³, active current sharing
- N+1 redundant, hot pluggable, ORing FET
- I²C interface with status indicators
- Optional 1U 19" power shelf

Package dimensions

L	304.8mm	12"
W	120.7mm	4.75"
H	1U	1U



	Output power	Input voltage	Output voltage
D1U-W-1200-12	1200W	90-264Vac	12Vdc
D1U-W-1600-12	1600W	90-264Vac	12Vdc
D1U-W-1200-48	1200W	90-264Vac	48Vdc
D1U-W-1600-48	1600W	90-264Vac	48Vdc
D1U-W-2000-48	2000W	90-264Vac	48Vdc

	Optional power shelf
S1U-3X-16-A-12-RC	Power shelf for 12V D1U
S1U-3X-16-A-48-RC	Power shelf for 48V D1U



Enclosed front-end 3 phase AC-in

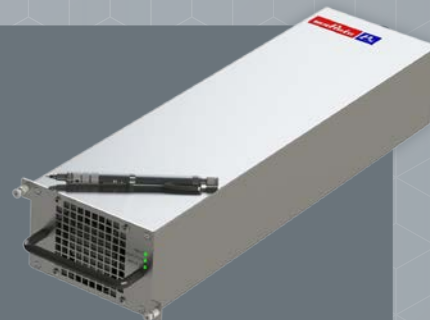
D2U5T: 3 phase AC-DC power supply

7KW (480Vac), 3.5KW (230Vac)

- High efficiency; > 96% @ 50% load
- 54VDC main output
- N+1 redundant, droop sharing and I²C bus interface
- 3.3V or 5V standby output

Package dimensions

L	457.2mm	18"
W	129.5mm	5.1"
H	2U	3.3"



	Output power	Input voltage	Output voltage	Standby voltage
D2U5T-H3-7000-54-HU4C	7000W	180-525Vac	54Vdc	selectable (3.3 or 5V)

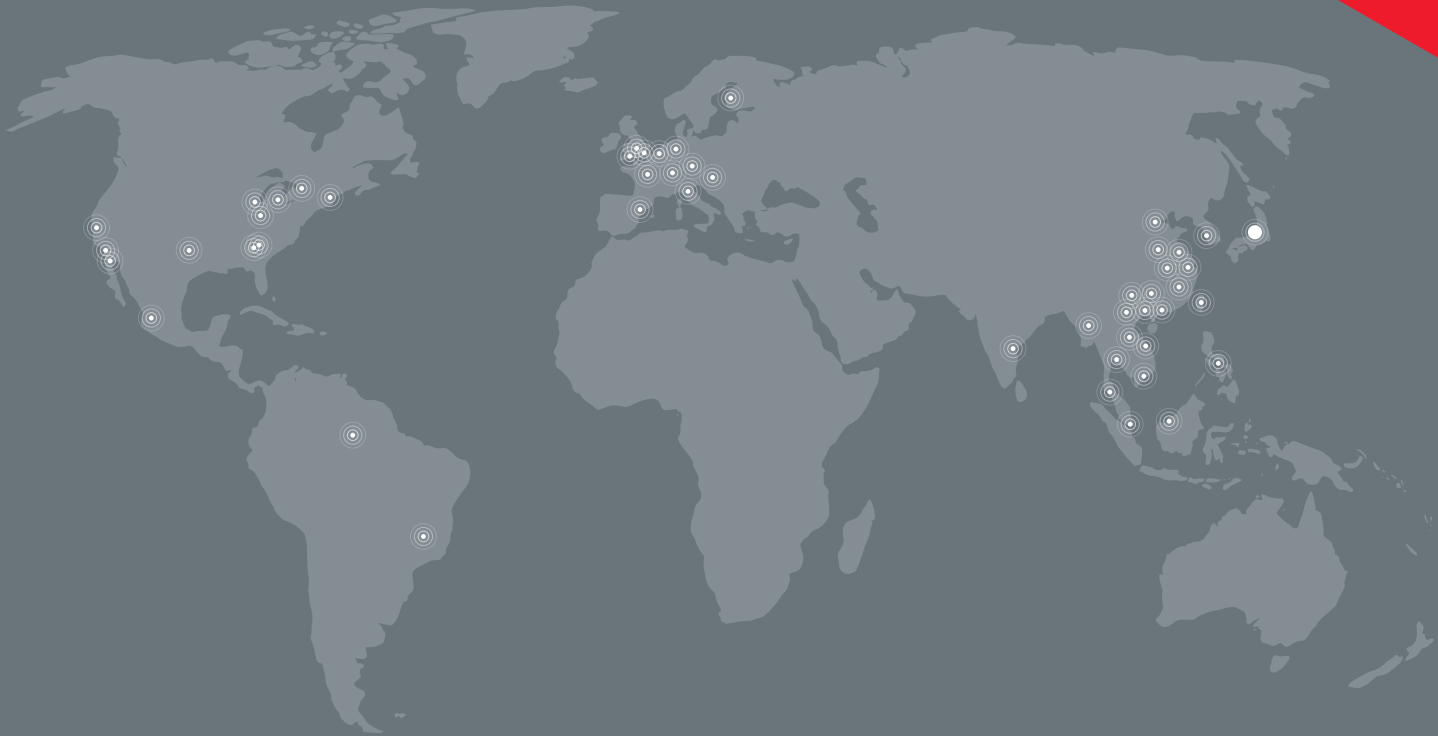


Global locations

For details please visit www.murata.com

Cat. No. F10-1

Power supplies



Note

1 Export Control

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- 2 Aerospace equipment
- 3 Undersea equipment
- 4 Power plant equipment
- 5 Medical equipment
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- 7 Traffic signal equipment
- 8 Disaster prevention / crime prevention equipment
- 9 Data-processing equipment
- 10 Application of similar complexity and/or reliability requirements to the applications listed above

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