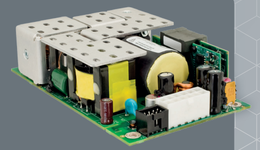
Open frame

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



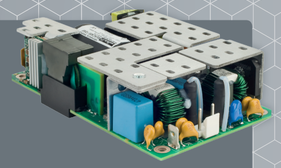
- -20 to +70°C full power operation
- Active inrush protection
- Current share, remote on-off, PS_OK option (AFD)
- IEC60601 Ed.3 medical (2 x MOPP pri-sec)
- EN60950 ITE safety approved
- Droop current share and internal ORING (AFR)

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"



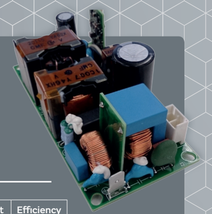
- Remote on-off, remote sense, and PS_OK
- Current sharing option (AFD)
- Active inrush protection
- IEC60601 Ed.3 medical (2 x MOPP pri-sec)
- EN60950 ITE safety approved
- Droop current share and internal ORING (AFR)

Package dimensions

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

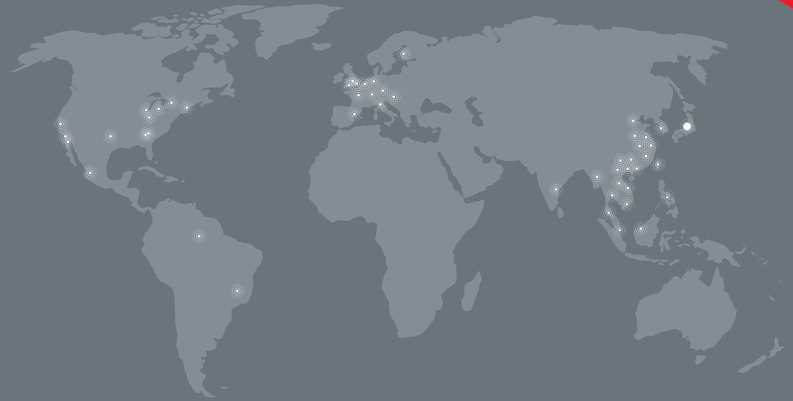
Package dimensions

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%

Global locations

For details please visit www.murata.com



⚠Note

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2. *Aerospace equipment*
3. *Undersea equipment*
4. *Power plant equipment*
5. *Medical equipment*
6. *Transportation equipment (vehicles, trains, ships, etc.)*
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*

3 Product specifi cations in this catalog are as of March 2014. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.

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5 This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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Cat. No. F10-1

Power supplies

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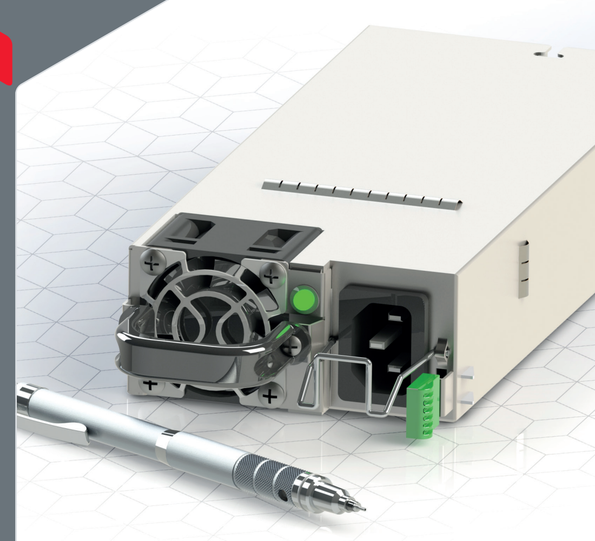
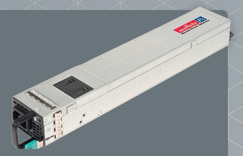
40-400 Watt open frame AC-DC
460-2825 Watt enclosed AC-DC or DC-DC



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

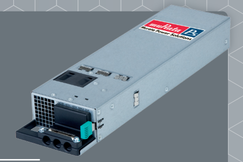
Package dimensions

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	40-72Vac	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

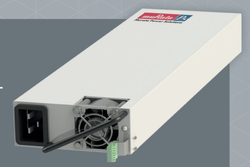
L	196.9mm	7.75"
W	86.4mm	3.4"
H	1U	1U

	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

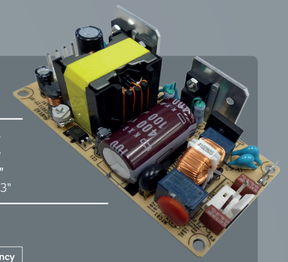
L	**457.2**mm	18"
W	129.5mm	5.1"
H	2U	3.3"

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

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. MOOP safety approved

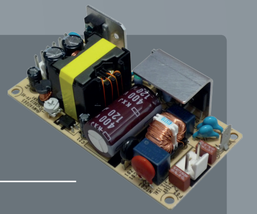
Package dimensions

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

	Natural convection cooling	Load current	Input voltage	Output voltage	Efficiency
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. MOOP safety approved

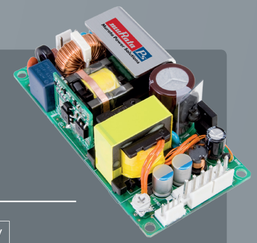
Package dimensions

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

	Natural convection cooling	Load current	Input voltage	Output voltage	Efficiency
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%