

Latest products:

# Power Supplies

40-400 Watt Open Frame AC-DC  
460-2825 Watt Enclosed AC-DC or DC-DC



# 1U front end



D1U4



## 1200, 1600, 2100, or 2200 Watt, 1U AC-DC or DC-DC power supply

- Power density up to 24.5W/in<sup>3</sup>
- N+1 redundant, hot pluggable, ORing FET
- I<sup>2</sup>C interface with status indicators; active current sharing
- Internal 40mm fan, airflow direction choice

### Package Dimensions

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

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U4-W-1200-12	1200W	90-264Vac	12 or 54Vdc	3.3 or 5Vdc
D1U4-W-1600-12	1600W			
D1U4CS-D-2100-5X	2100W	40-72Vdc		
D1U4CS-W-2200-12	2200W	90-264Vac		



D1U



## 1200, 1600, or 2000 Watt, 120mm, 1U AC-DC power supply

- Power density up to 21.9W/in<sup>3</sup>, active current sharing
- N+1 redundant, hot pluggable, ORing FET
- I<sup>2</sup>C interface with status indicators
- Optional 1U 19" powershell, model S1U-3X

### Package Dimensions

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

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U-W-1200-12	1200W	90-264Vac	12Vdc	3.3 or 5Vdc
D1U-W-1600-12	1600W			
D1U-W-1200-48	1200W	90-264Vac	48Vdc	3.3, 5, or 12Vdc
D1U-W-1600-48	1600W			
D1U-W-2000-48	2000W			



D1U5CS



## 2825 Watt, 129mm, 1U AC-DC power supply

- Power density 23.9W/in<sup>3</sup>
- N+1 redundant, hot pluggable, ORing FET
- I<sup>2</sup>C interface with status indicators
- Internal variable speed fan; active current sharing

### Package Dimensions

L	367mm 14.4"
W	129.5mm 5.1"
H	1U 1U

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U5CS-H-2825-12-HA4C	2825W	180-264Vac	12Vdc	5Vdc



# 1U front end



D1U54P



## 1200 Watt, 54mm, 1U AC-DC power supply

- Power density up to 28W/in<sup>3</sup>
- N+1 redundancy capable; hot plugging (up to 8 in parallel)
- PMBus™ / I<sup>2</sup>C 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

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U54P-W-1200-12-HC4PC	1200W	90-264Vac	12Vdc	3.3Vdc
D1U54P-W-1200-12-HA4PC				5Vdc
D1U54P-W-1200-12-HC3PC				3.3Vdc
D1U54P-W-1200-12-HA3PC				5Vdc



D1U86G



## 460 Watt, 86mm, 1U AC-DC power supply

- Power density up to 11.1W/in<sup>3</sup>
- N+1 redundancy capable; hot plugging (up to 8 in parallel)
- PMBus™ / I<sup>2</sup>C interface with status indicators
- Droop current sharing on 12V main output, ORing FET

### Package Dimensions

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

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U86G-W-460-12-HB4DC	460W	90-264Vac	12Vdc	12Vdc
D1U86G-W-460-12-HB3DC		40-72Vdc		



D1U3CS



## 850, 1000, 1200, or 1300 Watt AC-DC power supply

- Power density up to 21.7W/in<sup>3</sup>
- N+1 redundant, hot pluggable, ORing FET
- PMBus™ / I<sup>2</sup>C interface with status indicators
- Variable speed fan; active current sharing

### Package Dimensions

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

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage
D1U3CS-D-850-12	850W	90-264Vac	12Vdc	3.3 or 5Vdc
D1U3CS-W-850-12		40-72Vdc		
D1U3CS-W-1200-12	1200W			



# Powering Innovation in . . .

- Telecommunications
- Data Management
- Energy Applications
- Health Technologies
- Industrial Automation



In addition to an expanding offering of standard models, we have a long and proud history of designing custom solutions to meet even the most stringent and challenging requirements. With design centers and manufacturing facilities worldwide, we are able to produce power supplies to the highest standards in terms of power, performance, efficiency, protection, approvals compliance, and cooling for a multitude of application requirements.

## Open frame 3 x 5



### MVAC250



### 250 Watt high density AC-DC power supply

- -20 to +70°C full power operation
- Active inrush protection
- Current share, remote on-off, PS\_OK option (AFD)
- 3rd ed. medical and ITE safety approved

#### Package Dimensions

L	127mm	5"
W	76.2mm	3"
H	35.6mm	1.3"

Model Number	Natural Convection Cooling	Forced Air Cooling	Main Output	Fan Output	Aux Output	Efficiency
MVAC250-12F	170W	250W @ 250LFM	12V	12V @ 12W	5V @ 10W	93%
MVAC250-24F			24V			93%
MVAC250-48F			50V			94%
MVAC250-12AFD			12V @ ½ load	12V @ 12W		93%
MVAC250-24AFD			24V @ ½ load			93%
MVAC250-48AFD			50V @ ½ load			94%



### MVAC400



### 400 Watt high density AC-DC power supply

- Remote on-off, remote sense, and PS\_OK
- Current sharing option (AFD)
- Active inrush protection
- 3rd ed. medical and ITE safety approved

#### Package Dimensions

L	127mm	5"
W	76.2mm	3"
H	35.6mm	1.3"

Model Number	Natural Convection Cooling	Forced Air Cooling	Main Output	Fan Output	Aux Output	Efficiency
MVAC400-12AF	250W	400W @ 250LFM	12V	12V @ 12W	5V @ 10W	93%
MVAC400-24AF			24V			93%
MVAC400-48AF			50V			94%
MVAC400-12AFD			12V	12V @ 12W		93%
MVAC400-24AFD			24V			93%
MVAC400-48AFD			50V			94%



# Open frame 2 x 4

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**MVAD040**



## 40 Watt high density AC-DC power supply

- 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"

Model Number	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		24Vdc	88%
MVAD040-48	40W	0 to 0.84A		48Vdc	89%



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**MVAD065**



## 65 Watt high density AC-DC power supply

- 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"

Model Number	Natural Convection Cooling	Load Current	Input Voltage	Output Voltage	Efficiency
MVAD065-12	60W	0 to 5.0A	90-264 Vac	12Vdc	88%
MVAD065-24		0 to 2.71A		24Vdc	89%
MVAD065-48	65W	0 to 1.36A		48Vdc	90%



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**MVAB120**



## 120 Watt high density AC-DC power supply

- 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"

Model Number*	Natural Convection Cooling	Load Current	Input Voltage	Output Voltage	Efficiency
MVAB120-12	75W	120W @ 250LFM	90-264 Vac	12Vdc	88%
MVAB120-24				24Vdc	90%
MVAB120-28				28Vdc	90%
MVAB120-48				48Vdc	91%

\*Add -01 suffix for medical approval





# Global locations

For details please visit [www.murata.com](http://www.murata.com)



## Note

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- ③ Medical equipment
- ④ Traffic signal equipment
- ⑤ Data-processing equipment
- ⑥ Aerospace equipment
- ⑦ Power plant equipment
- ⑧ Transportation equipment (vehicles, trains, ships, etc.)
- ⑨ Disaster prevention / crime prevention equipment
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