



AC/DC Power Supplies

200-2800 Watt Front-End Power Supplies
cPCI Power Supplies

Our AC/DC Capabilities

Murata Power Solutions can develop AC/DC power supplies to meet almost every possible application requirement in terms of power, performance, efficiency, communications, protection, size, approvals compliance, and cooling requirements. Our product range includes:



■ Front End Modules for DPAs

AC to 12 or 48Vdc ultra compact front end supplies for distributed power architectures with active power factor correction

■ Open Frame

High-efficiency 200-400W single output solutions in 1U chassis

■ High-Rel

Our Celab division has over 30 years' experience designing and producing custom power supplies



■ CompactPCI

High-efficiency 3U x 8HP solutions from 200W to 300W

■ Custom Solutions

Custom product solutions from 100W to 5kW; leverage existing product platforms for modifications

Looking for a Custom Solution?

We have a long and proud history of designing custom solutions to meet even the most stringent and challenging requirements of market leading companies.

Here are some examples:



Customer	Application	Power	Input Voltage	Output Voltage(s)	Dimension
A leading supplier of networking equipment and network management for the Internet	Router	4500W	40 – 75Vdc	–52, 12, 3.3Vdc	210.8 x 210.8 x 185.4mm (8.3" x 8.3" x 7.3")
		400W	Universal AC	12Vdc	152.4 x 63.5 x 61.0mm (6" x 2.5" x 2.4")
	PoE	3000W	220Vac	-54, 5Vdc	13.5" x 4.75" x 1U
		2100W	40 – 72Vdc		13.8" x 4" x 1U
		1100W	Universal AC	-56Vdc	13.2" x 3.2" x 1U
	Switch	400W	40 – 72Vdc	12, 5Vdc	12.7" x 2.1" x 1U
			Universal AC		
A pioneer in building and securing reliable, high performance networks	Router	2800W	220Vac	-52, 12Vdc	11.5" x 5.5" x 1U
	Router Shelf	n/a		n/a	20" x 19" x 3U
One of the world's largest technology companies	Server	1600W		12, 3.3Vdc	13" x 4.75" x 1U
A leading provider of IP service verification platforms and performance test systems	Network Performance Test System	2000W		12, 5Vdc	12" x 4.75" x 1U
One of the world's leading providers of Internet, broadband network and enterprise business solutions	Server	1600W		12, 12Vdc	17.3" x 4" x 2"
Global leader in wireless communications networks	Wireless Networks	1300W Conduction Cool	40 – 60Vdc	32V, 24V, 5Vdc	15" x 2.5" x 2.5"
A leading supplier of networking equipment and network management for the Internet	Smart Grid Network	150W Conduction Cool	Universal AC 88 – 288Vdc	54V, 4.5V	7" x 5" x 1U
			18 – 75Vdc		

www.murata-ps.com

muRata **Ps**
Murata Power Solutions

USA +1 800 233 2765 | Canada +1 905 944 2850 | UK +44 (0)1908 615232 | Germany +49 (0) 89 544334 0 | France +33 (0)1 34 60 01 01
China +86 21 5027 3678 (Shanghai), +86 208 221 8066 (Guangzhou) | Japan +81 3 3779 1031 (Tokyo), +81 7 5955 7269 (Kyoto) | Singapore +65 6348 9096

AC/DC 07 May 2010

D1U Series

FEATURES:

- Efficiency 90.6% typ. @ 220Vac
- Power density up to 21.9W/in³
- N+1 redundant, Hot pluggable, Or-ing Fet, Active current sharing
- I²C interface with status indicators
- Internal 40mm fan (2000W variable speed fan)
- Input and Output on opposite sides
- Optional 1U 19" powershell; two shelves in parallel offer up to 12kW of power

SELECTION GUIDE

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage	Efficiency	Dimensions
D1U-W-1200-12	1200W	90-264Vac	12Vdc	3.3 or 5Vdc	90.6%	12" x 4.75" x 1U
D1U-W-1600-12	1600W			3.3 or 5Vdc		
D1U-W-1200-48	1200W		48Vdc	3.3 or 5 or 12Vdc		
D1U-W-1600-48	1600W			3.3 or 5 or 12Vdc		
D1U-W-2000-48	2000W					



AC/DC front end power supplies provide improved efficiency and energy cost savings for distributed power application.

D1U4 Series

FEATURES:

- Efficiency up to 92.2% typ. @ 220Vac
- Power density up to 24.6W/in³
- N+1 redundant, Hot pluggable, Or-ing Fet, Active current sharing
- I²C interface with status indicators
- Internal 40mm fan (2200W variable speed fan)
- Input and Output on opposite sides
- 20-25W standby power

SELECTION GUIDE

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage	Efficiency	Dimensions
D1U4-W-1200-12	1200W	90-264Vac	12Vdc	3.3 or 5Vdc	90.6%	14" x 4" x 1U
D1U4-W-1600-12	1600W					
D1U4CS-W-2200-12	2200W				92.2%	



Front end power supply combines high efficiency and power density to save energy and space in distributed power architecture systems.

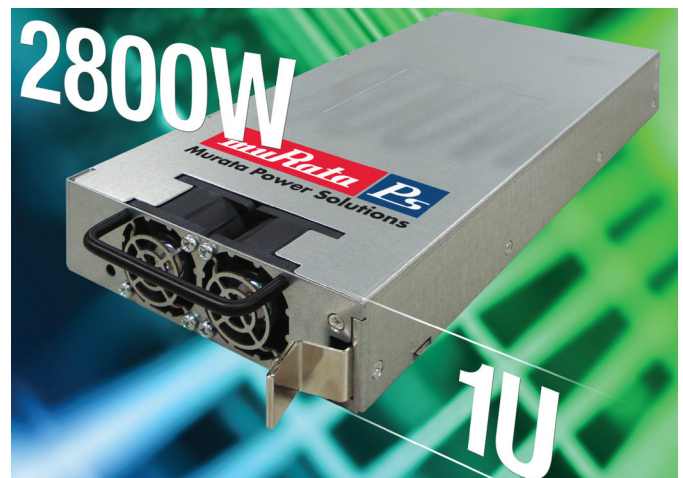
D1U-H-2800

FEATURES:

- Efficiency 91.6% typ. @ 220Vac
- High power density up to 27.7W/in³
- N+1 redundant, Hot pluggable, Or-ing Fet, Active or droop current sharing
- I²C interface with status indicators
- Internal 40mm fan, Airflow front to back
- Input and Output on same side
- 6W 12V standby power

SELECTION GUIDE

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage	Efficiency	Dimensions
D1U-H-2800-52	2800W	170-264Vac	-52Vdc	12Vdc	91.6%	11.5" x 5.5" x 1U



High power density and high efficiency front end power supply delivers 2800W output for mission critical distributed power architectures.

www.murata-ps.com

USA +1 800 233 2765 | Canada +1 905 944 2850 | UK +44 (0)1908 615232 | Germany +49 (0) 89 544334 0 | France +33 (0)1 34 60 01 01
China +86 21 5027 3678 (Shanghai), +86 208 221 8066 (Guangzhou) | Japan +81 3 3779 1031 (Tokyo), +81 7 5955 7269 (Kyoto) | Singapore +65 6348 9096

muRata **PS**
Murata Power Solutions

AC/DC 13 Jan 2011

C1U Series

FEATURES:

- Efficiency 90.6% typ. @ 220Vac
- Power density up to 9.2/in³
- N+1 redundant, Or-ing Fet, Active current sharing
- Internal 40mm fan, Airflow direction choice
- Input and Output on same side
- Control signal status indicators
- 20W 3.3V or 5V standby power

SELECTION GUIDE

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage	Efficiency	Dimensions
C1U-W-1200-12	1200W	90-264Vac	12Vdc	3.3 or 5Vdc	90.6%	14.2" x 5.5" x 1U
C1U-W-1200-48			48Vdc	3.3 or 5 or 12Vdc		



AC/DC front end power supplies provide high density, high efficiency bulk power to servers, workstations, and storage systems.

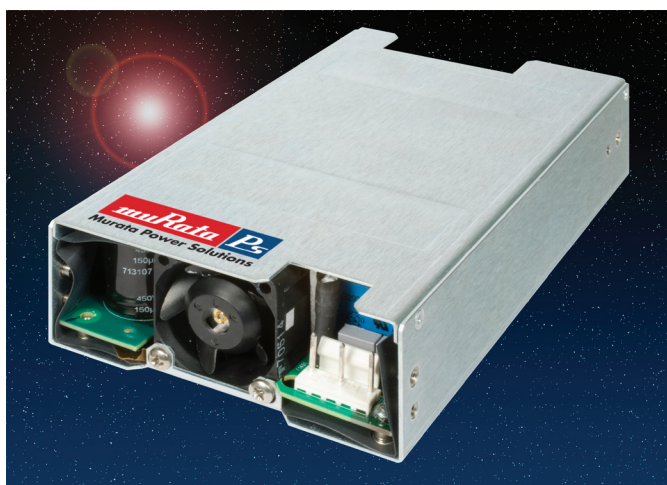
CEF400

FEATURES:

- Efficiency 83% typ. @ 220Vac
- Universal Input 85-264Vac
- Active power-factor correction
- N+1 redundancy, Or-ing Fet, and Current sharing
- I²C interface
- Integrated cooling fan (variable speed)
- 6W 5V standby power

SELECTION GUIDE

Model Number	Output Power	Input Voltage	Output Voltage	Standby Voltage	Efficiency	Dimensions
CEF400-112C	400W	85-264Vac	12Vdc	5Vdc	83%	4" x 7" x 1U



AC/DC power supply provides 400W of continuous power in 1U form factor without need for additional system airflow.

Sales Offices

Americas

Headquarters

11 Cabot Boulevard, Mansfield, MA 02048-1151 USA

Tel: +1 800 233 2765 **Fax:** +1 508 339 6356 **email:** mansfield@murata-ps.com

South America

Rua Leoncio de Carvalho, 234 10º andar Paraíso, CEP 04003-010

Sao Paulo-SP, Brazil 04003-010

Tel: +55-11-3371-6827 **Fax:** +55-11-3371-6821 **e-mail:** brazil@murata-ps.com

Asia

China (Shanghai)

16-17, Lane 912, Bibo Road, Zhangjiang High-Technology Park,
Shanghai, People's Republic of China

Tel: +86 21 5027 3678 **Fax:** +86 21 5027 3321 **email:** shanghai@murata-ps.com

China (Guangzhou)

5th Floor, Building A1, Bei Wei No.1 District, Guangzhou Economic & Technical
Development Zone, Guangzhou, Guangdong 510730, People's Republic of China

Tel: +86 208 221 8066 **Fax:** +86 208 221 5902 **email:** guangzhou@murata-ps.com

Japan (Tokyo)

Meiji Seimei Gotanda Building, 2-27-4 Nishigotanda, Shinagawa-Ku,
Tokyo 141-0031 Japan

Tel: +81 3 3779 1031 **Fax:** +81 3 3779 1030 **e-mail:** japan@murata-ps.com

Japan (Kyoto)

Nagaokakyo-shi, Kyoto 617-8555, Japan

Tel: +81-75-955-7269 **Fax:** +81-75-955-6221 **e-mail:** japan@murata-ps.com

Singapore

No. 1 Marine Parade Central, #11-09, Parkway Centre, Singapore, 449408

Tel: 65 63489096 **Fax:** 65 63489097 **email:** singapore@murata-ps.com

Europe

United Kingdom

Tanners Drive, Blakelands North, Milton Keynes, MK14 5BU, United Kingdom

Tel: +44 (0)1908 615232 **Fax:** +44 (0)1908 617545 **email:** mk@murata-ps.com

France

Zone d'Activités du Pas du Lac Nord

9, Rue Michael Farady, 78180 Montigny Le Bretonneux, France

Tel: +33 (0) 1 34 60 01 01 **Fax:** +33 (0) 1 30 58 21 30 **email:** france@murata-ps.com

Germany

Bussardstr. 5, 82166 Gräfelfing, Germany

Tel: +49 (0) 89 544334 0 **Fax:** +49 (0) 89 536337 **email:** munich@murata-ps.com