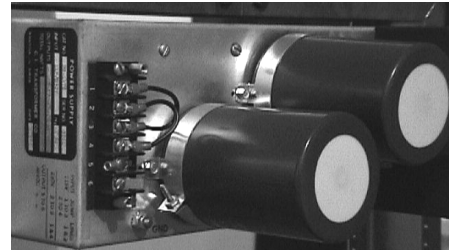


48 VDC Power Supplies

8422-00

Provides a filtered, regulated 48 VDC output from a standard 120 VAC, 60 Hz power source.



Features

- Three-wire, 9' power cord
- UL recognized
- Self-protecting against overload so a short circuit across output terminals will not damage units
- Either polarity can be grounded
- Direct mounting in 19" relay rack; brackets included for 23" relay rack mounting
- Ferroresonant regulation circuit
- Maximum current output: 10 amps

8410-48

Provides 48 VDC power supply for customer premises applications by plugging directly into a grounding-type AC duplex receptacle.



Features

- Series Regulator maintains constant 48 Vdc output from no-load to 250 mA
- Foldback current regulation circuit prohibits output current from exceeding 330 mA
- Supplies 48 VDC output at 250 mA
- Plugs into any 120 VAC grounding-type receptacle
- Crowbar circuit prohibits output voltage from exceeding 56 VDC
- Floating output permits grounding either polarity

Physical Specifications

	8422-00	8410-48
Height	5.25" (13.3 cm)	4.9" (12.45 cm)
Width	19" (48.26 cm)*	2.81" (7.14 cm)
Depth (orig. config.)	9.75" (24.77 cm)	2.55" (6.48 cm)
Weight	42 lb (19.05 kg)	1.62 lb (735 g)
Temperature	32-120° F (0-49° C)	32-120° F (0-49° C)
Humidity	to 95%**	to 95%**

* 23" with flanges, ** no condensation

Electrical Specifications

8422-00

Input Voltage	105 - 130 Vac, 60 Hz + 0.5 Hz, single-phase
Input Power	8422-00, 600 W
Output Voltage	45 to 54 Vdc
Output Current	8422-00, 10 AMPS maximum
Output Polarity	Floating; either positive or negative terminal may be grounded
Ripple	Less than 50 mV peak-to-peak
Noise	Less than 23 dB _{BrnC}

8410-48

Input Voltage	105 to 129 Vac, 60 Hz \pm 2 Hz, single phase
DC Output	Regulated, 48 Vdc, \pm 3%, 250 mA
DC Output Protection	Series regulator, foldback and crowbar circuit Output limited to less than 330 mA
Output Polarity	Floating, 48 Vdc
DC Output Ripple	Less than 15 mV peak-to-peak

With Charles Industries, You Can Depend On:

- Field-proven, high-performance and unequaled technical support
- A 24-hour technical hotline at (800) 607-8500
- Training courses covering fundamentals, engineering, installation and troubleshooting

Visit our website at <http://www.charlesindustries.com>



Charles Industries, Ltd.
Charles Center
5600 Apollo Drive
Rolling Meadows, IL 60008

Telephone (US): (847) 806-6300
Telephone (Canada): (905) 821-7673
FAX: US (847) 806-6231 CAN (905) 821-3280
E-Mail: mktserv@charlesindustries.com

 Charles is a trademark of Charles Industries, Ltd.

D-SPS003-J97 Rev. 1