.

60 Watts

of Outputs:

DPS50-M

Medical

Total Power: 30 - 60 Watts **Input Voltage:** 90 - 264 VAC 127 - 300 VDC

Single

Special Features

- Medical safety approvals
- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Internal remote sense to the output plug
- Constant voltage
- High efficiency
- High MTBF
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- Input power <74 watts
- Complies with EN61000-3-2
- Meets Energy Star
- WEEE & CeC iV compliant

Safety

UL UL 60601-1

CSA CSA-C22.2 no.601.1-M90 **VDE** 07501/EN60601-1 (IEC601)

CE EMC & LVD



Rev. 10.01.08_123 DPS50-M 1 of 2



Electrical Specifications

Input

Input range 90-264 VAC (wide range)

127 - 300 VDC

Frequency 47-440 Hz

Inrush current <60A @ 230 VAC, cold start @ 25C Input current <2.0A rms @ 115 VAC; <1A @ 230 VAC Efficiency 80% @ full load typical, @115VAC

EMI/RFI FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B

Safety ground 275µA max. @ 50/60 Hz, 264 VAC input

leakage current

Output

Maximum Power (Po) 60W (DPS52, 30W)

Hold-up time 10ms. typical at full load @ 115VAC

Overvoltage protection 20% - 45% above nominal output maximum

Latching type, recycle AC to reset.

Overload protection Output short circuit protection auto recover

Overload protected @ 120 - 150% above maximum rating

Cable/connector DC cable with 2.5mm center plug

DC plug center +v DC plug outer -v

Environmental Specifications

Operating temperature: 0° to +40°C ambient. Derate each output as 2.5% per degree from

40°C to 60°C. -20°C start up

Storage temperature: -40°C to +85°C

Electromagnetic

Designed to meet EN61000-4, -2, -3, -4, -5, -6, -8, -11, level 3

susceptibility:

Humidity: Operating; non-condensing 10% to 90% RH

Vibration: Three orthogonal axes, 3 sweeps per axe at 1 oct/min. 2G peak 8Hz

to 500Hz, operational

MTBF demonstrated: >550,000 hours at full load and 25°C ambient conditions





Rev. 10.01.08_123 DPS50-M 2 of 2

Telephone: +1 760 930 4600 Facsimile: +1 760 930 0698

Europe (UK)

Americas

USA

5810 Van Allen Way

Carlsbad, CA 92008

Waterfront Business Park Merry Hill, Dudley West Midlands, DY5 1LX United Kingdom

Telephone: +44 (0) 1384 842 211 Facsimile: +44 (0) 1384 843 355

Asia (HK)

14/F, Lu Plaza 2 Wing Yip Street Kwun Tong, Kowloon Hong Kong

Telephone: +852 2176 3333 Facsimile: +852 2176 3888

For global contact, visit:

www.powerconversion.com

techsupport.embeddedpower @emerson.com

While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Emerson Network Power.

The global leader in enabling business-critical continuity.

AC Power

Connectivity

DC Power

Embedded Computing

Embedded Power

Monitoring

Outside Plant

Power Switching & Controls

Precision Cooling

Racks & Integrated Cabinets

Services

Surge Protection

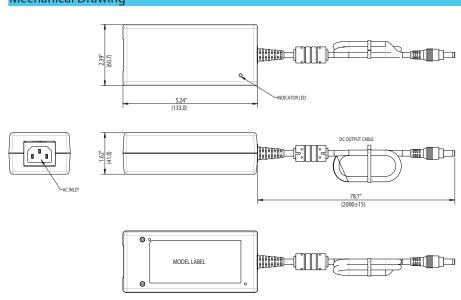
EmersonNetworkPower.com

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co. ©2008 Emerson Electric Co.



- 1. Peak-to-peak with 20MHz bandwidth and $10\mu F$ tantalum capacitor in parallel with a $0.1~\mu F$ capacitor.
- 2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
- Peak-to-peak with 20MHz bandwidth and 10μF (tantalum capacitor) in parallel with a 0.1μF capacitor at rated line voltage and load ranges.

Mechanical Drawing



Notes:

- 1. Specifications subject to change without notice.
- 2. All dimensions in inches (mm), tolerance is \pm 0.02" (\pm 0.5mm)
- 3. Warranty: 2 year
- 4. Weight: 1.06 lb./ .48 kg
- 5. AC input power cord sold separately.
- Specifications are for convection rating at factory settings at 115VAC input, 25°C unless otherwise stated