

DPS50-M

60 Watts

Medical

Total Power: 30 - 60 Watts
Input Voltage: 90 - 264 Vac
127 - 300 Vdc
of Outputs: Single



Special Features

- Medical safety approvals
- CE Mark EMC & LVD (except DPS52-M)
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Internal remote sense to the output plug
- Constant voltage
- Level V efficiency (except DPS52-M)
- 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

Safety

UL UL 60601-1
CSA CSA-C22.2 no.601.1-M90
VDE 07501/EN60601-1 (IEC601)
CE EMC & LVD (except DPS52-M)

Electrical Specifications

Input	
Input range	90 - 264 Vac (wide range) 127 - 300 Vdc
Frequency	47 - 440 Hz
Inrush current	<60 A @ 230 Vac, cold start @ 25 °C
Input current	<2.0 A rms @ 115 Vac; <1A @ 230 Vac
Efficiency	80% @ full load typical, @115 Vac
EMI/RFI	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B
Safety ground leakage current	275 µA max. @ 50/60 Hz, 264 Vac input
Output	
Maximum Power (Po)	60 W (DPS52, 30 W)
Hold-up time	10ms. typical at full load @ 115 Vac
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 2.5 mm 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 susceptibility:	Designed to meet EN61000-4, -2, -3, -4, -5, -6, -8, -11, level 3
Humidity:	Operating; non-condensing 10% to 90% RH
Vibration:	Three orthogonal axes, 3 sweeps per axe at 1 oct/min. 2G peak 8Hz to 500 Hz, operational
MTBF demonstrated:	> 550,000 hours at full load and 25 °C ambient conditions



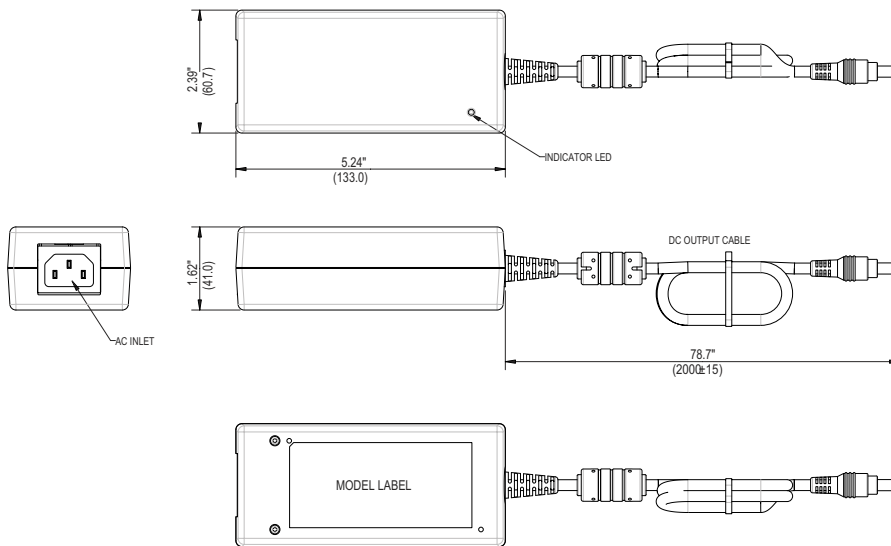
Ordering Information

Model Number	Maximum Power	Output Voltage	Maximum Load	Peak Load ¹	Regulation ²	Ripple P/P (PARD) ³
DPS52-M*	30 W	5 V	6 A	6.5 A	± 2%	50 mV
DPS53-M	60 W	12 V	5 A	5.4 A	± 2%	120 mV
DPS54-M	60 W	15 V	4A	4.3 A	± 2%	150 mV
DPS55-M	60 W	24 V	2.5 A	2.7 A	± 2%	240 mV
DPS58-M	60 W	48 V	1.25 A	1.35 A	± 2%	480 mV

1. Peak current lasting <15 seconds with a maximum 10% duty cycle.
2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF (tantalum capacitor) in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.

* No CE approval under new EUP directive

Mechanical Drawing



Notes:

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

Americas

5810 Van Allen Way
Carlsbad, CA 92008
USA
Telephone: +1 760 930 4600
Facsimile: +1 760 930 0698

Europe (UK)

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.Emerson.com/EmbeddedPower
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.
©2011 Emerson Electric Co.

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com