DP40

40 Watts

Total Power: 40 Watts
Input Voltage: 90 - 264 VAC
127 - 300 VDC
# of Outputs: Single



RoHS 2002/95/EC

Special Features

- Medical and ITE safeties
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Constant voltage
- High efficiency
- High MTBF
- IEC320 AC input receptacle
  3 pin (type C14)
  2 pin (type C8)
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- Input power < 49 watts
- Complies with EN61000-3-2
- Meets Energy Star 2.0
- WEEE & CeC IV compliant
- CE Mark EMC & LVD
- Less than 300 mW No-Load power consumption

Safety

- **UL** 60950-1, 60601-1
- **cUL** 60950-1, 60601-1
- **TUV** 60950-1, 60601-1
- **CE** EMC & LVD
- **CB** Certificate and report
- **CCC** China Approval

Electrical Specifications

Input	
Input range:	90 - 264 Vac (wide range) 127 - 300 Vdc
Frequency:	47 - 63 Hz
Inrush current:	< 50A @ 230 Vac, cold start @ 25 °C
Input current:	< 0.5 A rms @ 115 Vac; < 0.25 A @ 230 Vac
Efficiency:	84% @ full load typical, @115 Vac
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B
Safety ground leakage current:	300 µA @ 50/60 Hz, 264 Vac input for 3 pin model 100 µA @ 50/60 Hz, 264 Vac input for 2 pin model
Output	
Maximum Power (Po):	40 W
Hold-up time:	10 ms. 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 @ 110 - 160% above peak rating
Cable/connector:	1.2 m DC cable with 2.5mm I.D, 5.5 mm O.D 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 500Hz, operational
MTBF demonstrated:	> 550,000 hours at full load and 25 °C ambient conditions

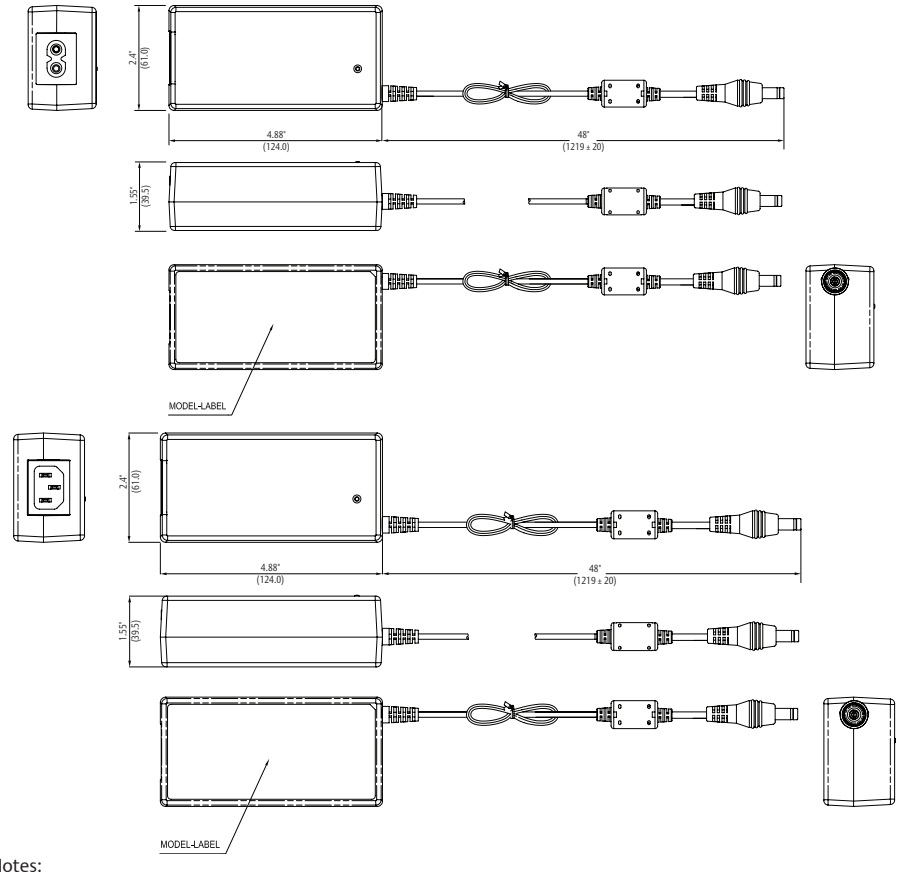
EMERSON
Network Power

Ordering Information

Model Number	Output Voltage	Maximum Load	Peak Load[1]	Regulation[2]	Ripple P/P (PARD)[3]
DP4009N2M	9 V	4.44 A	5.4 A	± 5%	90 mV
DP4009N3M	9 V	4.44 A	5.4 A	± 5%	90 mV
DP4012N2M	12 V	3.33 A	4.4 A	± 5%	120 mV
DP4012N3M	12 V	3.33 A	4.4 A	± 5%	120 mV
DP4015N2M	15 V	2.67 A	3.5 A	± 5%	150 mV
DP4015N3M	15 V	2.67 A	3.5 A	± 5%	150 mV
DP4018N2M	18 V	2.22 A	3.0 A	± 5%	150 mV
DP4018N3M	18 V	2.22 A	3.0 A	± 5%	150 mV
DP4024N2M	24 V	1.67 A	2.3 A	± 5%	240 mV
DP4024N3M	24 V	1.67 A	2.3 A	± 5%	240 mV
DP4048N2M	48 V	0.84 A	1.2 A	± 5%	480 mV
DP4048N3M	48 V	0.84 A	1.2 A	± 5%	480 mV

1. Peak current lasting < 15 seconds with a maximum 10% duty cycle.
2. At 25 ºC 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.

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: 0.55 lb./ .25 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.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.
©2009 Emerson Electric Co.