

Data Sheet

Total Power: 40 Watts
Input Voltage: 90 - 264 Vac
127 - 300 Vdc
of Outputs: Single

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) Class I
2 pin (type C8) Class II
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- Input power < 49 watts
- Complies with EN61000-3-2
- Meets Energy Star Efficiency Level V
- CE Mark EMC, LVD & ErP 2011
- 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 & ErP 2011
- 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 2.5 mm I.D, 5.5 mm O.D center plug DC plug center +v DC plug outer -v

Environmental Specifications

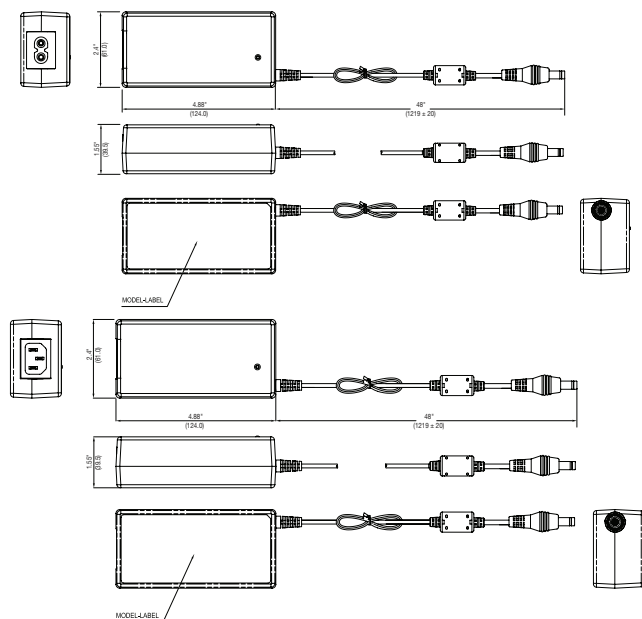
Operating temperature:	0 ° to +40 °C ambient. Derate each output as 2.5% per degree from 40 °C to 60 °C. -20 °C start up
Storage temperature:	-40 °C to +85 °C
Electromagnetic susceptibility:	Designed to meet EN61000-4, -2, -3, -4, -5, -6, -8, -11, Level 3
Humidity:	Operating; non-condensing 10% to 90% 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

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	± 8%	90 mV
DP4009N3M	9 V	4.44 A	5.4 A	± 8%	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	2.2 A	± 5%	240 mV
DP4024N3M	24 V	1.67 A	2.2 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 °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.

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

WORLDWIDE OFFICES

Americas

2900 S.Diablo Way
Tempe, AZ 85282
USA
+1 888 412 7832

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
+44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
+852 2176 3333

ARTESYN
EMBEDDED TECHNOLOGIES

www.artesyn.com

While every precaution has been taken to ensure accuracy and completeness in this literature, Artesyn Embedded Technologies assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions. Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners.
© 2014 Artesyn Embedded Technologies, Inc.

For more information: www.artesyn.com/power
For support: productsupport.ep@artesyn.com

DP40-DS 05.29.14

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advanced Energy:](#)

[DP4009N2M](#) [DP4009N3M](#) [DP4015N2M](#) [DP4015N3M](#) [DP4018N2M](#) [DP4018N3M](#)