DP40

40 Watts

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



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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 ncy: 47 - 63 Hz

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 300 µA @ 50/60 Hz, 264 Vac input for 3 pin model leakage current: 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 D

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



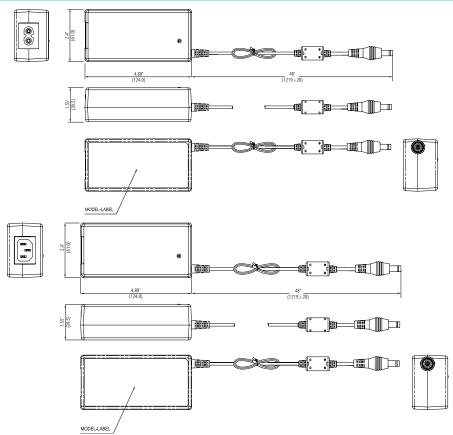
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Ordering Information					
Model Number	Output Voltage	Maximum Load	Peak Load¹	Regulation ²	Ripple P/P (PARD)³
DP4009N2M	9 V	4.44 A	5.4 A	± 5%	90 mV
DP4009N3M	9 V	4.44 A	5.4 A	± 5%	90 mV
DP4012N2M	12 V	3.33 A	4.4 A	± 5%	120 mV
DP4012N3M	12 V	3.33 A	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 °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 μ F (tantalum capacitor) in parallel with a 0.1 μ F 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

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