## **DPS50**

60 Watts

# of Outputs:

**Total Power:** 30 - 60 Watts **Input Voltage:** 90 - 264 Vac 127 - 300 Vdc

Single

Rev. 03.16.11\_122 DPS50 1 of 2



## **Special Features**

- CE Mark EMC & LVD (except DPS52)
- Universal AC inputFully regulated output
- Overload and short circuit protection
- Internal remote sense to the output plug
- Constant voltage
- Level V efficiency (except DPS52)
- 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 60950-1

**CSA** CSA-C22.2 no.60950-1

**VDE** EN60950-1

CE EMC & LVD (except DPS52)
CB Certificate and report
PSE Denan 06-03051012

## **Electrical Specifications**

Input

Frequency

Input range 90 - 264 Vac (wide range)

127 - 300 Vdc 47-440 Hz

Inrush current < 60 A @ 230 Vac, cold start @ 25 °C Input current < 2.0 A rms @ 115 Vac; < 1 A @ 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 0.5 mA @ 50/60 Hz, 264 Vac input

leakage current

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

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 8 Hz

to 500 Hz, operational

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





Rev. 03.16.11\_122 DPS50 2 of 2

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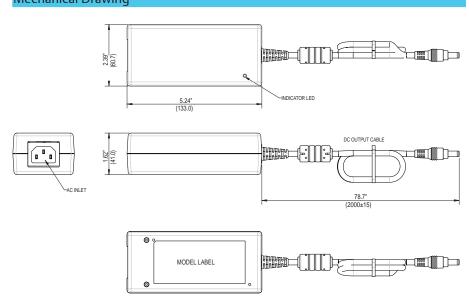
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- Surge Protection

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- **Ordering Information** Model Maximum Output Maximum Ripple Peak Load<sup>1</sup> Regulation<sup>2</sup> Voltage Number Power Load P/P (PARD)3 DPS52\* 30 W 5 V 6 A 6.5 A ± 2% 50 mV DPS53 60 W 12 V 5 A 5.4 A 120 mV ± 2% DPS54 60 W 15 V 4 A 4.3 A ± 2% 150 mV 60 W DPS55 24 V 2.5 A 2.7 A ± 2% 240 mV ± 2% 60 W 48 V 1.25 A 1.35 A 480 mV DPS58
- 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  $\mu F$  (tantalum capacitor) in parallel with a 0.1  $\mu F$  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  $\pm$  0.02" ( $\pm$  0.5 mm)
- 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 115 Vac input, 25 °C unless otherwise stated

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

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DPS52 DPS53 DPS54 DPS55 DPS58