



## 72W Constant Voltage LED Driver PDA072 Series for Outdoor Lighting



### Features

- High Efficiency
- UL8750 Compliant
- 5 Year Warranty
- OVP, Short and Open Circuit Protection
- IP67 - waterproof, Potted
- 120V-277VAC Operation
- Brownout/Brownout Recovery
- Wide Operating Temperature Range

### Applications

- General Lighting
- Street Lighting
- Outdoor Lighting
- Architectural Lighting

### Safety Approvals

- CE
- cUL/UL

### Mechanical Characteristics

- Length: 241mm (9.5in)
- Width: 43mm (1.7in)
- Height: 30.5mm (1.2in)
- Weight: 750g (1.65lbs)

### Output Specifications

Model	Output Voltage	Output Current			Output Power
		Min.	Typ.	Max.	
PDA072B-24VG	24V	0A	3.0A	3.15A	72W

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**Input:****AC Input Voltage Rating**

120VAC to 277VAC

**AC Input Frequency**

47~63Hz

**Maximum Input Current** $\leq 2A$ **Leakage Current**

0.5mA maximum at 230VAC Input

**Inrush Current** $\leq 20A$ **OUTPUT:****Power Factor** $\geq 0.9$ **Ripple and Noise**

&lt;35% (p-p)

**Efficiency**

87% at 277VAC

85% at 120VAC

**Turn-on Delay Time**

0.5s maximum at nominal AC Power ON

**Environmental:****Temperature**

Operation -40 to +60°C

Non-operation -40 to +85°C

Operating Humidity 10 to 95%

**Case Temperature**

80°C maximum

**EMC**

EN55015/CISPR 15/FCC 47 Part 15/18 Class A

**Immunity**

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5\*

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

IEC61000-3-2 Class C

\*Surge Differential mode: 2.0kV, Common mode: 4.0kV

**Ring Wave Surge (ANSI C62.41.2 Cat A)**

Differential mode: 4.0kV

Common mode: 6.0kV

**Input Over Current Protection**

The input power line will be fused with a 2A fuse

**Short-Circuit Protection**

The PSU will withstand a short circuit across the outputs without damage

**Open Circuit Protection**

Once the circuit is opened, the output voltage should be less than 120% at nominal AC input conditions

**Dielectric Withstand (Hi-pot) Test**

Primary to secondary: 4242VDC for 1 minute, 5.5mA

**Insulation Resistance**

Primary to secondary: &gt;5M Ohm 500VDC, 1 Minute

**Lifespan**

50K Hours at full output power, 50°C ambient, Tcase &lt; rating

**Wire Connections**

Position	Terminal Color	Specification
Line	Black	AWG18 Solid Wire
Neutral	White	AWG18 Solid Wire
Ground	Green/Yellow	AWG18 Solid Wire
Vout+	Red	AWG18 Solid Wire
Vout-	Blue	AWG18 Solid Wire

**Warranty**

5 Years

