



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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**  
≤ 2A

**Leakage Current**  
0.5mA maximum at 230VAC Input

**Inrush Current**  
≤ 20A

**OUTPUT:**  
**Power Factor**  
≥ 0.9

**Ripple and Noise**  
<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: >5M Ohm 500VDC, 1 Minute

**Lifespan**

50K Hours at full output power, 50°C ambient, Tcase < 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

