



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



**Features**

- High Efficiency
- Class 2 per UL1310
- 5 Year Warranty
- OVP, Short and Open Circuit Protection
- IP67 - waterproof, Potted
- 120V-277VAC Rated 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 <sup>(1)</sup>	Output Voltage	Output Current			Output Power <sup>(2)</sup>
		Min.	Typ.	Max.	
PDA072X-24VG	24V	0A	3.0A	3.15A	72W

Note (1): X is B for non-dimming or W for 0-10V Dimming

Note (2): Output power derated to 65W when input voltage is <100VAC

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**Input:**

**AC Input Voltage Range**  
90VAC to 304VAC

**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

**Warranty**  
5 Years

**Dimming Function: (W Models)**

**Dimming Control**  
0-10VDC

**Dimming Output to Load**  
PWM at 500Hz

**Dimming Grounding**

Dim(-) and Vout(-) must never be connected together to ensure proper operation and isolation requirements

**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**

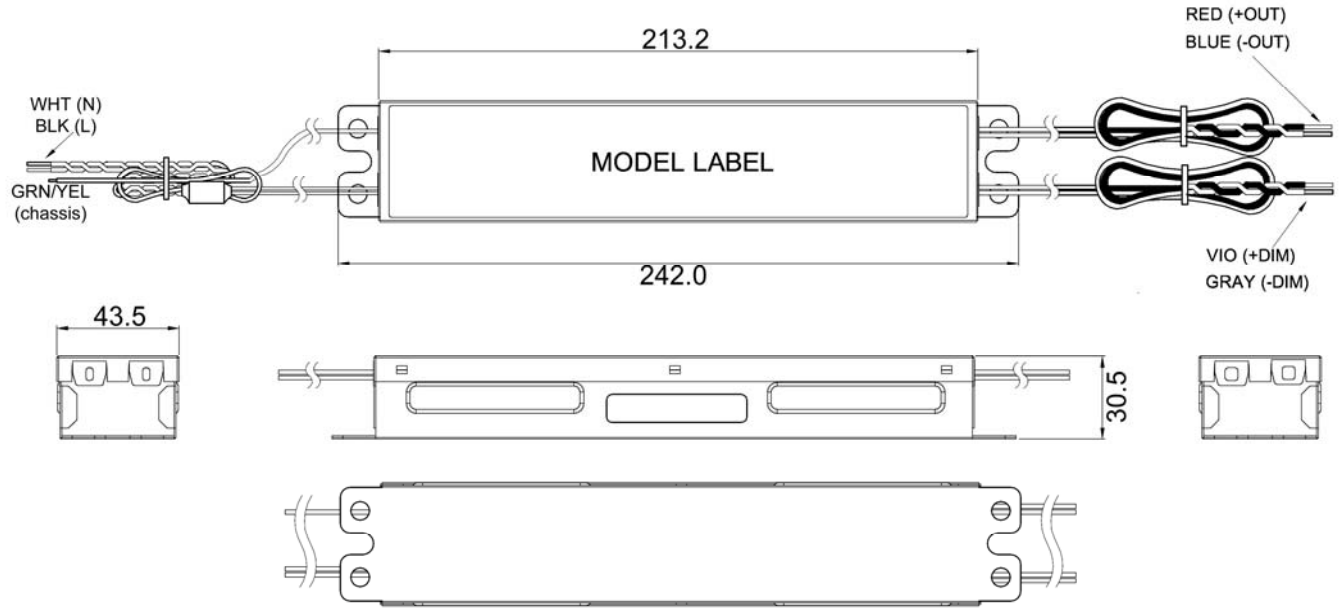
Primary to secondary: >5M Ohm 500VDC, 1 Minute

**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
Dim+	Violet	AWG18 Solid wire
Dim-	Grey	AWG18 Solid Wire



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [LED Power Supplies](#) category:*

*Click to view products by [Phihong](#) manufacturer:*

Other Similar products are found below :

[ESS015W-1000-12](#) [PDA-WIFI](#) [PIFC-K250F](#) [PITB-K222A](#) [ALD-514012PJ134](#) [LB240S24KH](#) [LMH020-SPLC-0000-0000001](#) [LMD600-0100-C1A7-7030000](#) [79534](#) [79535](#) [EUG-200S210DT](#) [ESS030W-1050-21](#) [ESS030W-0900-32](#) [BPOXL 4-12-035](#) [ESS010W-0350-24](#) [ESM060W-1400-42](#) [PDA080B-1A0G](#) [PDA150B-S1A5G](#) [ZPS-20](#) [SLM140W-1.05-130-ZA](#) [ESS015W-0700-18](#) [EUD-150S350DVA](#) [LWA320-C420-ARK-B](#) [HVG-240-48AB](#) [HVG-320-36AB](#) [HVG-320-54AB](#) [ELG-240-C1400AB](#) [EUK-150S105DV](#) [BXCS-12Z-N2P-B1-A](#) [BXPR-WN-01-A](#) [LN1224CV](#) [BXCS-12W-N2P-01-A](#) [HBG-160-24AB](#) [980100001200394](#) [980060001200376](#) [LC 14W 250-350MA FLEXC R ADV2](#) [LC 24W 500-600MA FLEXC R ADV2](#) [LC 36W 850-900MA FLEXC R ADV2](#) [LC 18W 24V ONE4ALL SC PRE](#) [LC 50W 200-350ML 170V FLEXC LP SNC4](#) [LC 25W 200-350ML 70V FLEXC LP SNC4](#) [LCBI 10W 350MA PHASE-CUT/1-10V LP](#) [LC 13W 300MA FIXC C SNC](#) [LC 10W 250MA FIXC SC SNC2](#) [LC 35W 800MA FIXC SR ADV2](#) [LC 38W 900MA FIXC SR ADV2](#) [LC 34W 800MA FIXC SC ADV2](#) [LC 44W 1050MA FIXC SC ADV2](#) [LC 38W 900MA 42V FIXC SRL ADV2](#) [PWM-40-36](#)