



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





125W Constant Voltage LED Driver PDA125 Series for Outdoor Lighting



Features

- High Efficiency
- UL8750 Compliant
- 5 Year Warranty
- OVP, Short and Open Circuit Protection
- IP66, Potted
- 120V-277VAC Rated Operation
- Brownout/Brownout Recovery
- Class 2 per UL1310

Applications

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

Safety Approvals

- CE
- cUL/UL

Mechanical Characteristics

- Length: 194mm (7.64in)
- Width: 68mm (2.67in)
- Height: 37mm (1.46in)
- Weight: 936g (2.06lbs)

Output Specifications

Model	DC Output Voltage	Output Current			Output Power ⁽¹⁾
		Min.	Typ.	Max.	
PDA125X-24VF	24V	0mA	-	5.2A	125W
PDA125X-48VF	48V	0mA	-	2.6A	125W

Note (1): Output power drops to 112.5W maximum when input is 90-100VAC
 (2): Substitute W for X when ordering dimming version and B for non-dimmable model.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at 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 $\leq 2A$ **Leakage Current**

0.5mA maximum at 230VAC Input

Inrush Current $\leq 30A$ **OUTPUT:****Power Factor** ≥ 0.9 **Ripple and Noise** $<35\%$ (p-p)**Efficiency**

93% at 230~277VAC

91% 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%

Dimming Function: (W Models)**Dimming Control**

0-10VDC

Dimming Output to Load

PWM at 1000Hz

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

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 ResistancePrimary to secondary: $>5M$ Ohm 500VDC, 1 Minute**Lifespan**50K Hours at full output power, 50°C ambient, $T_{case} <$ 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

Warranty

5 Years

