



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





**100W Constant Voltage LED Driver  
PDA100B LED Power Supply Non-Dimming**



**Features**

- OVP, OTP Short and Open Circuit Protections
- Brownout Protection
- High Efficiency
- IP66 Rated
- 90-304VAC Input Range
- Wide Operating Temperature Range
- $\geq 0.9$  Power Factor Correction & THD 20%

**Applications**

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

**Safety Approvals**

- cUL/UL 8750

**Mechanical Characteristics**

- Length: 241mm (9.49in)
- Width: 59mm (2.32in)
- Height: 39mm (1.54in)
- Weight: 1050g (37.04oz)

**Output Specifications**

Model	Output Current Range			DC Output Voltage	Output Power
	Min.	Typ.	Max.		
PDA100B-24VG	0A	-	4.1A	24V	100W
PDA100B-48VG	0A	-	2.08A	48V	100W

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 Rating**  
90VAC to 304VAC

**Nominal AC Input Voltage**  
100 to 277VAC

**AC Input Frequency**  
47~63Hz

**Maximum Input Current**  
≤ 1.35A

**Leakage Current**  
0.75mA maximum

**Power Factor**  
≥ 0.9

**THD**  
< 20%

**OUTPUT:**

**Output Voltage Ripple**  
≤1% (p-p)

**Efficiency**

Model	Typical Efficiency
PDA100B-24VG	88%
PDA100B-48VG	90%

**Environmental:**

**Temperature**

Operation Tc            -40 to 90°C  
Non-operation           -40 to +85°C  
Operating Humidity      10 to 95%

**EMC**

FCC Part 15 Class A

**Immunity**

IEC61000-4-2  
IEC61000-4-3  
IEC61000-4-4  
IEC61000-4-5  
IEC61000-4-6  
IEC61000-4-8  
IEC61000-4-11

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

Primary to secondary: 3000VAC/4242VDC for 1 minute, 10mA

**Insulation Resistance**

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

**FEATURES:**

**Short-Circuit Protection**

The Driver will withstand a short circuit across the outputs without damage.

**Input Over Current Protection**

The input power line will be fused with a 3.15A/300VAC fuse

**Output Over-voltage Protection**

Latch

**Over Temperature Protection**

Latch

**Output Current Protection**

Over current protection trigger level be within 2.2A~3.12A

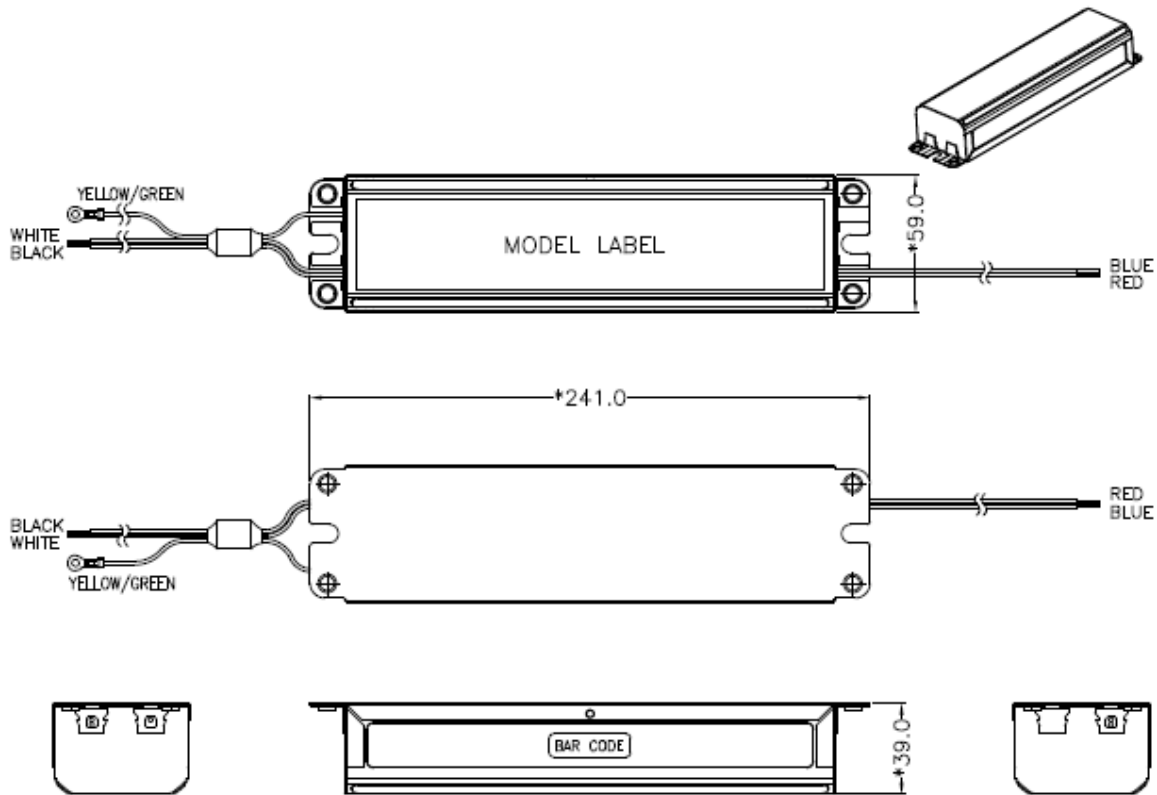
**Input / Output Connections**

Position	Terminal Color	Specification	Length
Input	Black	AWG18 Solid Wire	330mm
	White	AWG18 Solid Wire	330mm
	Green/Yellow	AWG18 Solid Wire	330mm
Output	Red	AWG18 Solid Wire	330mm
	Blue	AWG18 Solid Wire	330mm

**Warranty**

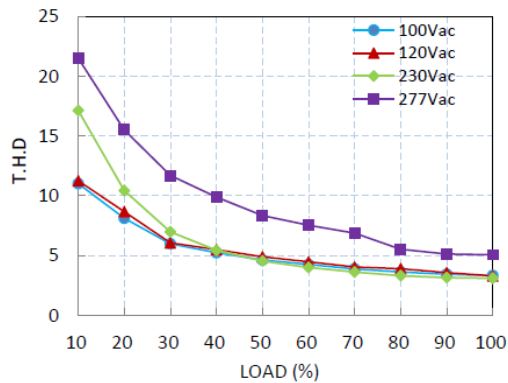
5 Years



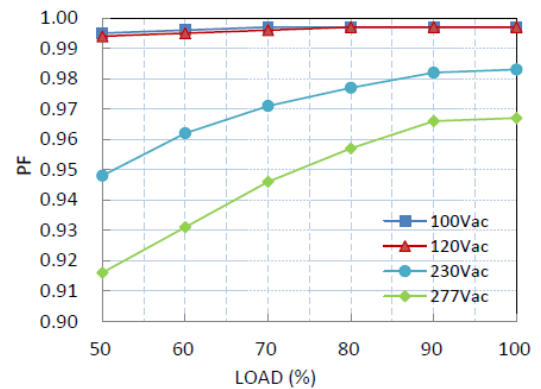


PDA100B Constant Voltage Characteristics

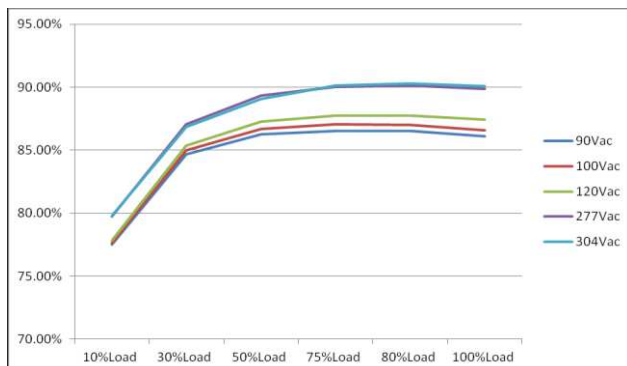
Total Harmonic Distortion vs. Load



Power Factor vs. Load



Efficiency vs. Load for PDA100B-24VG



Lifetime vs. Tc

