



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

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100W Constant Current LED Driver
PDA100W LED Power Supply with 0-10V Dimming



Features

- High Efficiency
- UL8750 Compliant
- Brownout Protection
- OVP, Short and Open Circuit Protections
- 0-10V Dimming
- IP65 Rated
- Wide Operating Temperature Range
- 108-305VAC Input Range
- 5 Year Warranty

Applications

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

Safety Approvals

- cUL/UL

Mechanical Characteristics

- Length: 241mm (9.49in)
- Width: 59mm (2.32in)
- Height: 39mm (1.54in)
- Weight: TBD

Output Specifications

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA100W-700GD	82V	-	143V	700mA	100W
PDA100W-1A0GD	58V	-	100V	1000mA	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 for the most up-to-date specifications and contact information.

Input:

AC Input Voltage Range

108VAC to 304VAC

AC Input Frequency

47~63Hz

Maximum Input Current

≤ 1.26A

Leakage Current

0.75mA maximum at 277VAC Input

Inrush Current

< 80A

OUTPUT:

Power Factor

≥ 0.9

Output Current Ripple

<105mA (p-p)

Efficiency

88% at 120VAC

91% at 277VAC

Turn-on Delay Time

<0.5s maximum at nominal AC Power ON

Environmental:

Temperature

Operation -40 to +50°C

Non-operation -40 to +90°C

Case Temperature <85°C

Operating Humidity 5 to 98%

Dimming Control

0-10VDC

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 6.3A fuse

Short-Circuit Protection

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

Over Temperature Protection

The load will drop by 50% automatically if the case temperature exceeds the recommended limit

Dielectric Withstand (Hi-pot) Test

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

Insulation Resistance

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

Wire Connections

Position	Terminal Color	Specification	Length
Line	Black	AWG18 Solid Wire	390mm
Neutral	White	AWG18 Solid Wire	390mm
Ground	Green/Yellow	AWG18 Solid Wire	390mm
Vout+	Red	AWG18 Solid Wire	390mm
Vout-	Blue	AWG18 Solid Wire	390mm
20V	Yellow	AWG22 Solid Wire	390mm
Dim+	Violet	AWG22 Solid Wire	390mm
Dim-	Grey	AWG22 Solid Wire	390mm

Warranty

5 Years

