CPS Series

Desktop Power Supply Specifications

Project_____

Date_____Type_____

CPS-12V-60W

Voltage 120 VAC | CLASS II | Plug and Play | IP20 | 2 yr WARRANTY

Available Models[1]

5 VDC Output
- ☐ CPS-5V-50W

12 VDC Output
- ☐ CPS-12V-60W
- ☐ CPS-12V-120W

24 VDC Output
- ☐ CPS-24V-60W
- ☐ CPS-24V-120W

Part Number Breakdown

Example: CPS-12V-60W

Series	Output Voltage	Output Power
CPS [Constant voltage Power Supply]	**5V** [5 VDC]	**50W** [50W]
	12V [12 VDC] or **24V** [24 VDC]	**60W** [60W]
		120W [120W]

Overview

The DiodeDrive CPS series Power adapter provides power for DC systems with 60 or 120 watts. The reliable Class II device has a fully enclosed plastic case for insulation protection against electrical shock. The power supply is protected from short circuits and overloads. It has a 120 VAC 1-15P plug and a 5.5-mm barrel connector DC output for plug-and-play operation..

Features

- 1-15P plug for 120 VAC input
- 5.5mm barrel connector for DC output
- UL Class II power supply

Product Details

- Wire length: 4' each side
- Overload and short circuit protection
- IP20, Suitable for Dry Locations

Certifications and Compliances

- UL Listed - UL 1310
- FCC and CE compliant

UL LISTED

Optional Accessories

☐ Female DC barrel connector (CPS-F2ST)

Warranty

- 2-year warranty

T 866.201.2238
F 314.972.6202
www.diodedrive.com
email: commercialsales@diodedrive.com

[1]Contact customer service if interested in other options.

Rev V2.1 Date: 03/12/2025

Specifications are subject to change without notice.

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Desktop Power Supply Specifications

Specifications

Model	CPS-5V-50W	CPS-x-60W		CPS-x-120W	
OUTPUT					
Output Power	50W	60W		120W	
Output Voltage	5 VDC	12 VDC	24 VDC	12 VDC	24 VDC
Output Current (max)	10000mA	5000mA	2500mA	10000mA	5000mA
INPUT					
Input Voltage	100-240 VAC				
Input Wattage (max)	180W	48W		96W	
Input Current (max)	1800mA	400mA		800mA	

SERIES SPECIFICATIONS	
Input Connection Type	1-15P Plug
Output Connection Type	5.5 mm x 2.1 mm DC Barrel
Input Frequency Range	50–60Hz
Dimming Control	Non-Dimmable
ENVIRONMENTAL	
IP Rating	IP20
Environmental Rating	Non-weatherproof, Suitable for Dry Locations
Ambient Operating Temperature	0 to 40°C (32 to 104°F)

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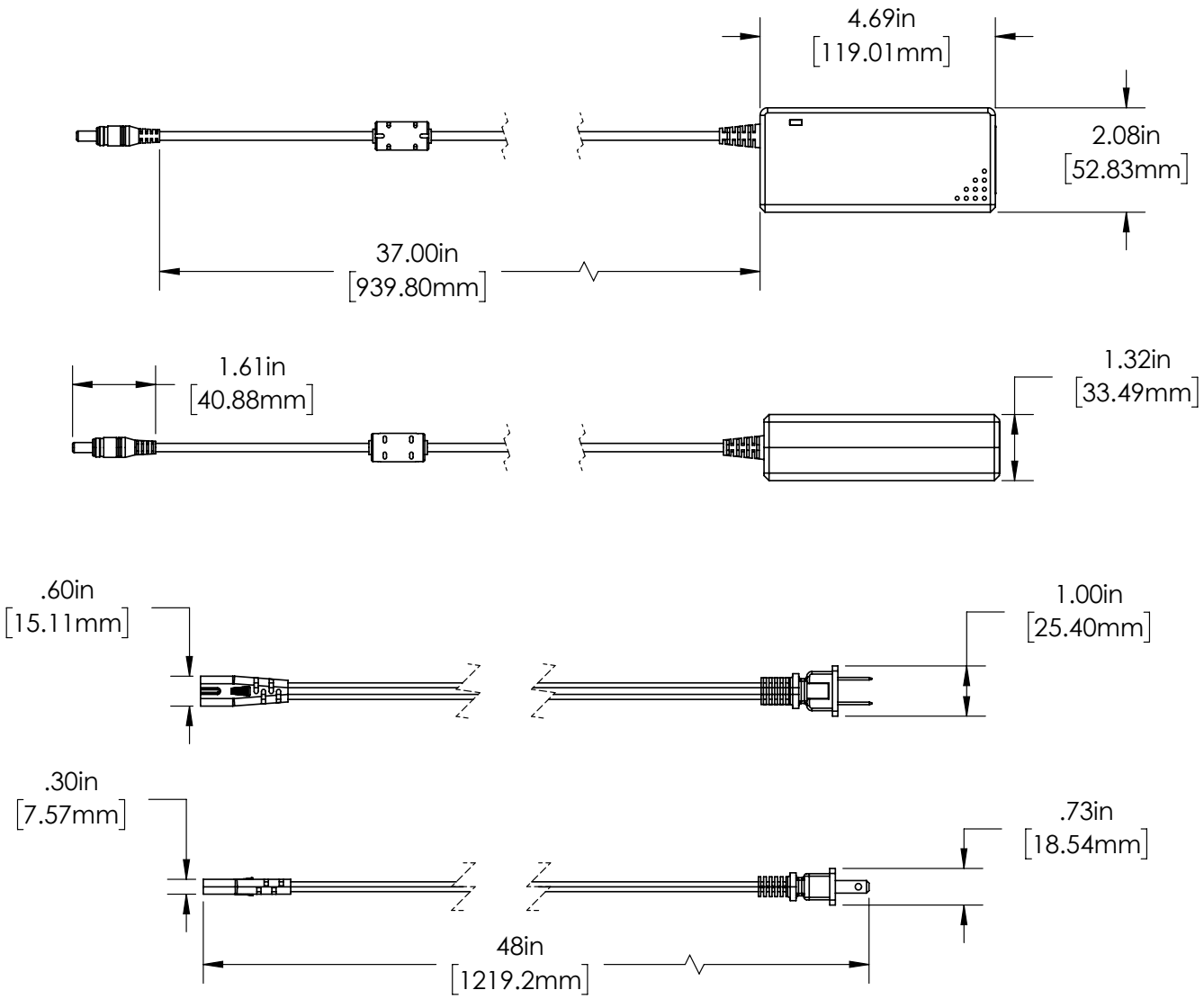
CPS Series

Desktop Power Supply Specifications

Dimensional Drawings

CPS-5V-50W



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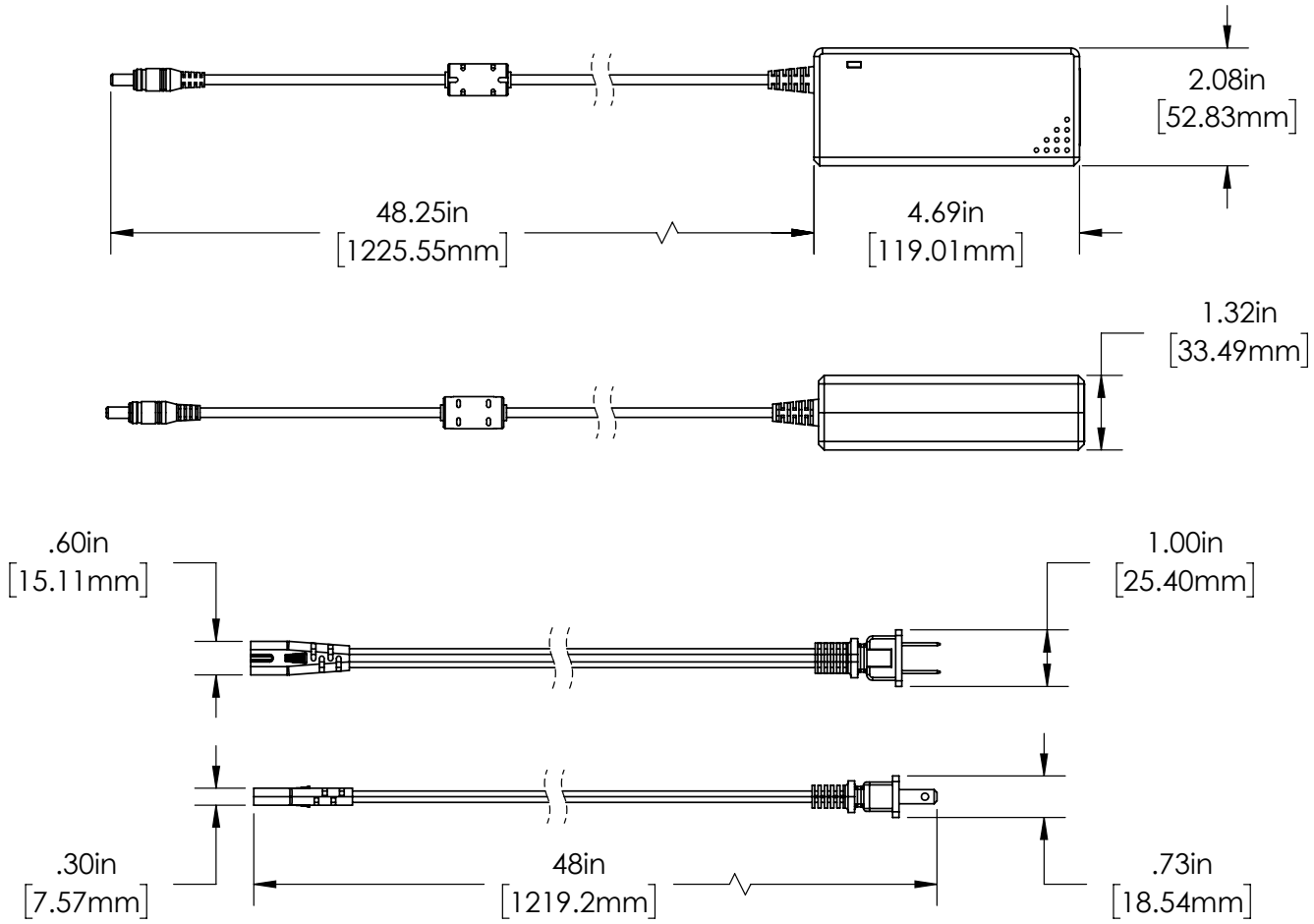
Dimensional Drawings (cont.)

CPS-xV-60W



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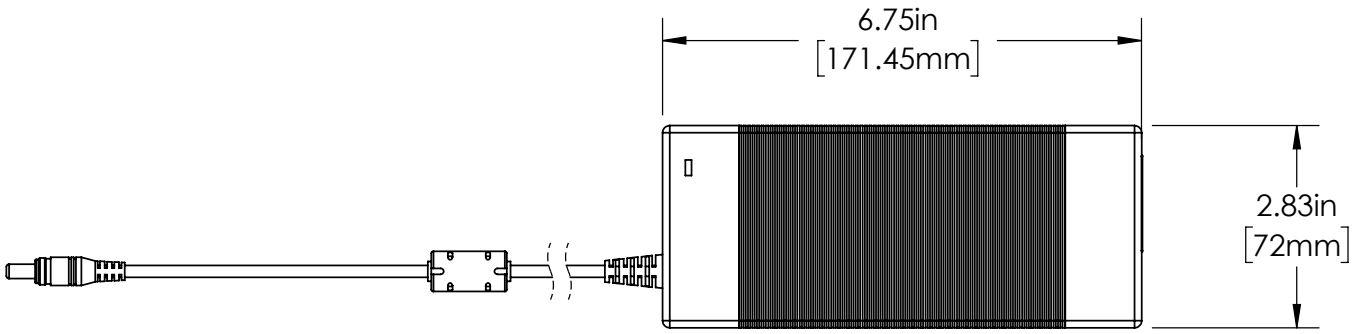
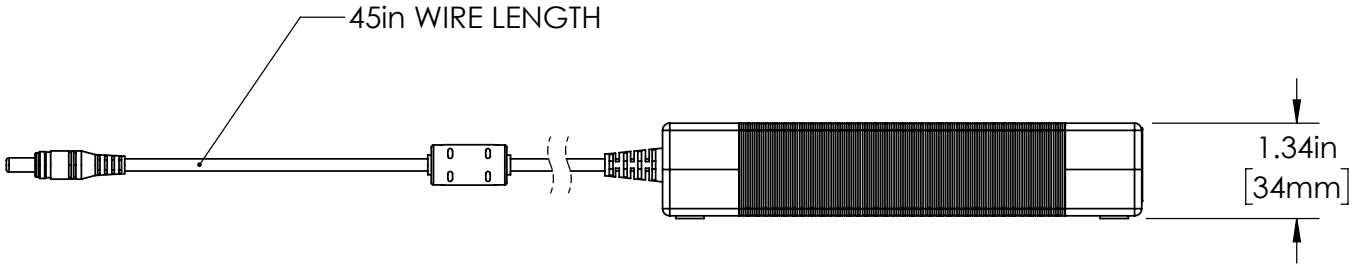
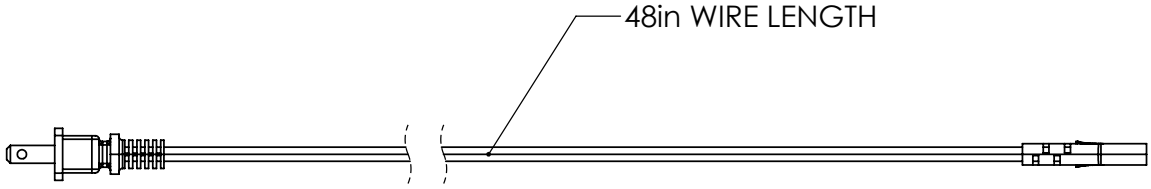
Dimensional Drawings (cont.)

CPS-xV-120W







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