



CVPS Series

LED Driver Specifications

Project _____

Date _____ Type _____



CVPS-100WP-24V-416

Features

- 100-277 VAC input
- 12 VDC or 24 VDC constant voltage output versions available
- Built-in short-circuit, overload, and over-temperature protection
- Class 2 output(s)

Application

These drivers are an excellent solution for the remote mounting of low voltage LED lights such as strips and light bars.

Certifications and Compliances

60 W and 100 W CVPS drivers are UL Recognized Components and are listed in compliance with UL 8750 (FKSZ2).

Available Models

12 VDC Output

CVPS-60WP-12V-500

CVPS-100WP-12V-832

24 VDC Output

CVPS-60WP-24V-250

CVPS-100WP-24V-416

Part Number Breakdown

Example: CVPS-60WP-24V-250

Family	Output Wattage	Driver Case	Output Voltage	Output Amperage
CVPS	60W [60 W]	P [plastic housing]	12V [12 VDC]	500 [5 A output (x1)]
			24V [24 VDC]	250 [2.5 A output (x1)]
	12V [12 VDC]		832 [4.16 A output (x2)]	
	24V [24 VDC]		416 [4.16 A output (x1)]	

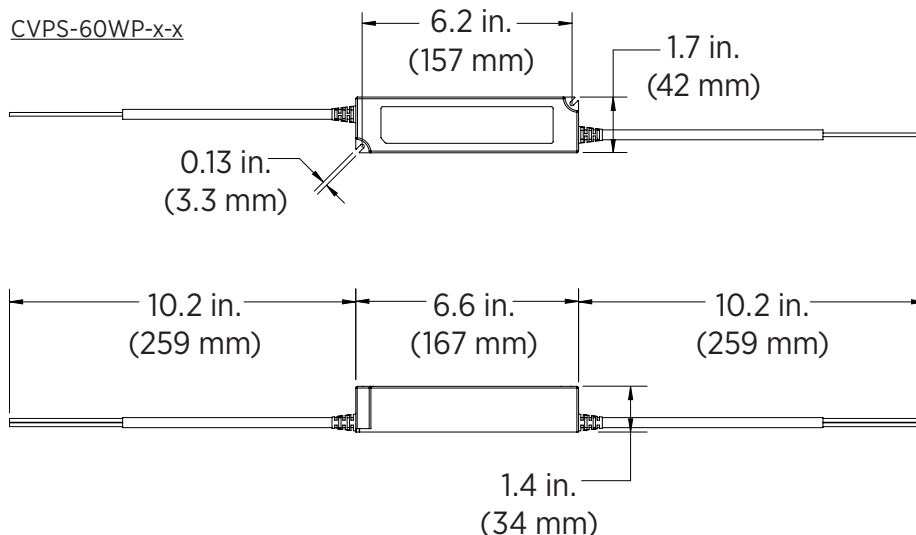
Optional Accessories

6 ft, 5-15P power cord (_POWERCORD)

Warranty

Three (3) Year Warranty

Dimensional Drawing



T 866.811.5550

F 314.972.6202

email: commercial-sales@superbrightleds.com

www.diode-drive.com

www.superbrightleds.com/cat/power-supplies

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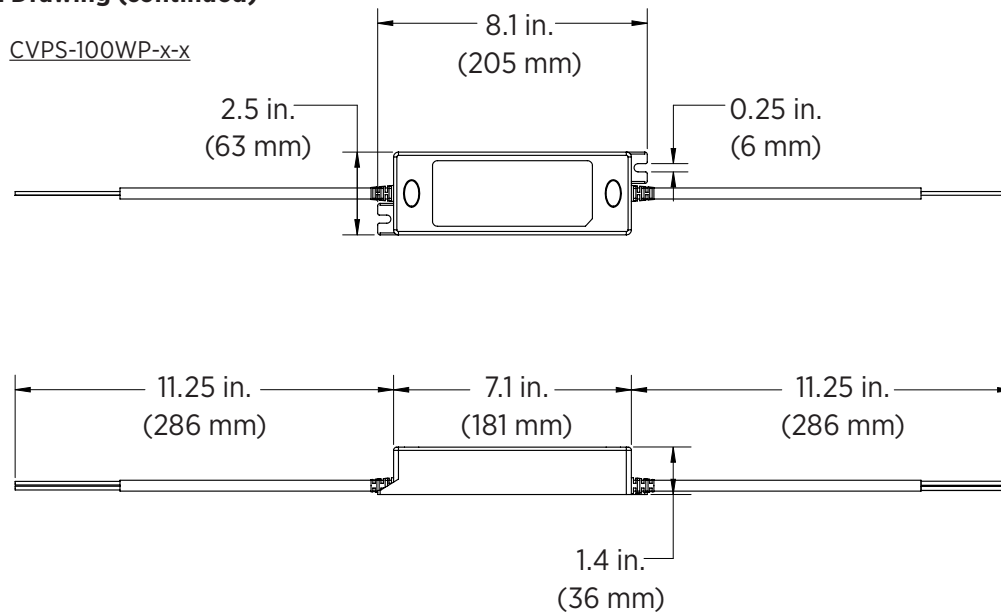
Specifications are subject to change without notice.

Printed in the U.S.A.

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LED Driver Specifications

Dimensional Drawing (continued)



Specifications

Model CVPS-	60WP-12V-500	60WP-24V-250	100WP-12V-832	100WP-24V-416
Input Voltage	100-277 VAC			
Maximum Input Current	0.8 A		1.6 A	
Output Voltage	12 VDC	24 VDC	12 VDC	24 VDC
Maximum Output Wattage	60 W		100 W	
Maximum Output Current	5 A per channel (x1)	2.5 A per channel (x1)	4.16 A per channel (x2)	4.16 A per channel (x1)
Dimming	none			
Efficiency	≥ 90%			
Power Factor	≥ 0.95 (input)			
Short-circuit Protection	yes			
Overloading Protection	yes			
Leakage Current	<0.75 mA (@277 VAC)			
Hi-pot	I/P-O/P	3.75 kVAC/ 10mA/ 3S		
	I/P-Case	1.8k VAC/ 10mA/ 3S		
Ambient Operating Temperature	-40°-122° F (-40°-50° C)			
Over-temperature Protection	yes			
Operating Humidity	20-95% relative humidity, non-condensing			
IP Rating	IP68			
MTBF	30,000 hours			
Weight	1.5 lb (0.7 kg)		2 lb (0.9 kg)	
UL Standard	UL8750			

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