



CVPSD Series

Constant Voltage Power Supply Specifications

Project _____

Date _____ Type _____



CVPSD-60WP-24V-JB

Voltage
 120 VAC

Voltage
 12 or 24 VDC
 Available

2
 CLASS 2

Wiring
 Enclosure

2
 yr
 WARRANTY

Available Models

- | | |
|--|--|
| 12 VDC Output | 24 VDC Output |
| <input type="checkbox"/> CVPSD-25WP-12V-JB | <input type="checkbox"/> CVPSD-25WP-24V-JB |
| <input type="checkbox"/> CVPSD-60WP-12V-JB | <input type="checkbox"/> CVPSD-60WP-24V-JB |

Part Number Breakdown

Example: CVPSD-60WP-24V-JB

Series	Output Power	Driver Case	Output Voltage	Included Accessories
CVPSD [Constant Voltage Power Supply, Dimmable]	25W [25 W]	P [Plastic]	12V [12 VDC] or 24V [24 VDC]	JB [Junction box]
	60W [60 W]			

Overview

The DiodeDrive dimmable constant-voltage power supply effectively powers a range of electronics. The plastic-encased Class 2 driver has built-in short-circuit, overload, and over-temperature protection. It is compatible with TRIAC (MLV+ELV) dimmers and is housed in a durable, vented steel enclosure, allowing the power supply to run cool in indoor applications. The enclosure has knockouts and screw terminals for easy wiring of high-voltage AC separate from the low-voltage DC connections. The compact profile makes it ideal for residential and commercial use. The optional 6ft power cord has a grounded 5-15 plug.

Features

- UL Class 2 Power Supply
- Includes protective, vented steel wiring enclosure
- 120 VAC input, single 12 VDC constant voltage output
- TRIAC (ELV+MLV) dimmable
- Suitable for damp or dry locations
- ETL Listed

Product Details

- White powder-coated steel wiring enclosure
- Enclosure has multiple conduit knockouts
- IP20, Suitable for damp or dry locations
- Enclosure tabs for surface mounting
- 120 VAC input

Certifications and Compliances

- ETL Listed - UL 1310, UL 8750
- FCC Part 15 B compliant



Applications

- | | |
|--|---|
| <ul style="list-style-type: none"> • Electronic Instruments or Equipment • Home Interiors • Industrial Control Systems • Mechanical and Electrical Equipment • Security Systems | <ul style="list-style-type: none"> • Sign Lighting • Stage & Theaters • Trade Shows • Video Wall Displays |
|--|---|

Warranty

- 2-year warranty

Optional Accessories

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



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¹Contact customer service if interested in other options.

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 Specifications are subject to change without notice.



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SPECIFICATIONS		CVPSD-25WP-12V-JB	CVPSD-25WP-24V-JB	CVPSD-60WP-12V-JB	CVPSD-60WP-24V-JB
OUTPUT					
Output Power		25W	25W	60W	60W
Output Voltage (±0.5V)		12 VDC	24 VDC	12 VDC	24 VDC
Output Current		2100mA	1040mA	5000mA	2500mA
Output Channels		1	1	2	1
INPUT					
Input Voltage		100-130 VAC			
Input Frequency		50/60Hz			
Input Power (max.)		70W	70W	78W	78W
Input Current		900mA	900mA	1A	1A
Efficiency (TYP)		81%	84%	85%	87%
Leakage Current		<0.50mA/120 VAC			
Input Connection Type		Pigtail			
Power Factor		0.65 (full load)			
DIMMING					
Dimming Control		TRIAC (ELV), TRIAC (MLV), TRIAC (MLV+ELV)			
PROTECTIONS					
Protections	Short Circuit	Short Circuit Hiccup mode, recover automatically after fault condition is removed			
	Overload	≤120%			
	Overcurrent	≤1.2*I out			
	Over Temp.	100°C±10°C, Shut down output voltage, automatic recovery after temperature drops			
ENVIRONMENTAL					
IP Rating		IP20			
Environmental Rating		Non-weatherproof, Suitable for Damp Locations			
Operating Humidity		20-90% relative humidity, non-condensing			
Storage Temp. Humidity		-40-80 °C, 10-95% relative humidity			
Ambient Operating Temperature		-40-60 °C (-40-140 °F)			
Temperature Coefficient		±0.03%/°C (0-50 °C)			
Vibration		10-500Hz, 2G 12min./1 cycle, period for 72min. each along X,Y,Z axes			
MECHANICAL HOUSING					
Wire Gauge		18AWG			
Housing Color		White			
Case Material		Steel Junction Box, Aluminum Housing			
SAFETY & EMC					
Safety Standards		UL 1310, UL 8750, Class 2 power supply			
Withstand Voltage		I/P-O/P: 1500 VAC			
Isolation Resistance		I/P-O/P: 100MΩ/500VDC/25°C/70%RH			
EMC Emission		FCC Part 15 B			

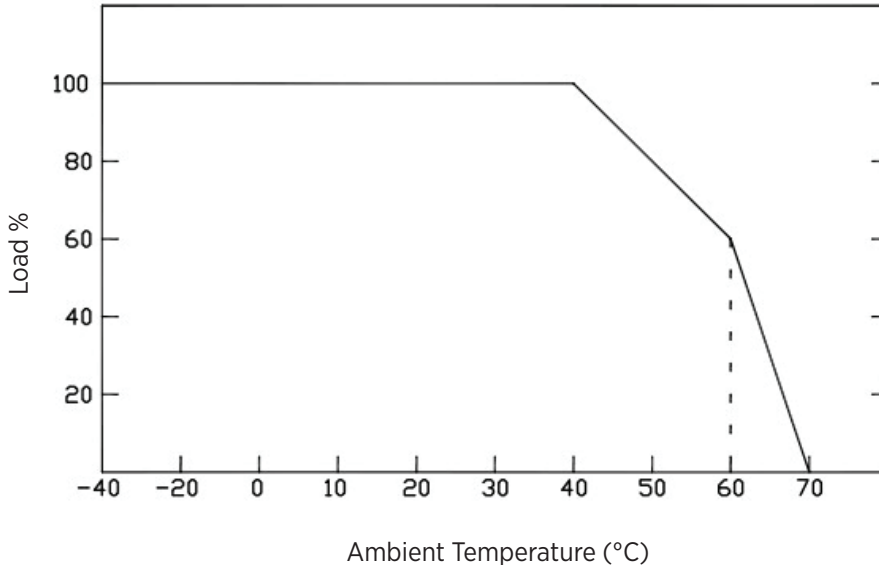




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Derating Curve



To extend driver life, please refer to the Derating Curve and derate according to the temperature.

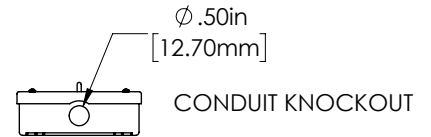
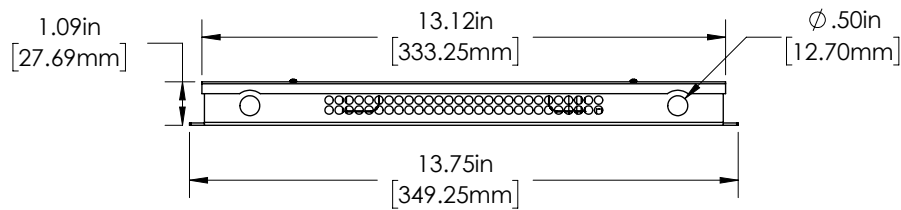
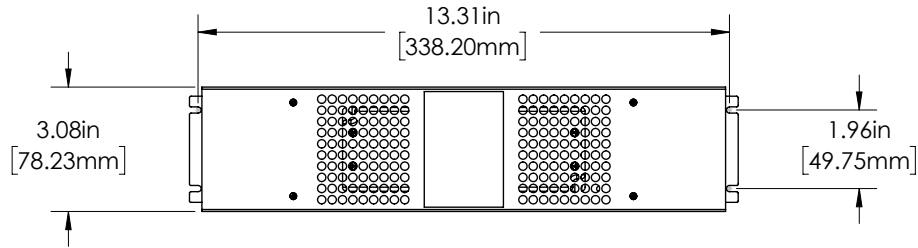


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Dimensional Drawings

CVPSD-25WP-x-JB



CVPSD-60WP-x-JB

