User Manual

CVPSD

Important: Read all instructions prior to installation.

Dimmable LED Power Supply

Specifications

Model	CVPSD-25WP-12V-JB	CVPSD-60WP-12V-JB
Output Wattage (max)	25W	60W
Output Current	2.1A	5.0A
Output Voltage	12 VDC	
Input Voltage	120 VAC	
Environmental Rating	IP20, Suitable for Damp Locations, Non-weatherproof	
Ambient Operating Temperature	-30–45° C (-22–113° F)	
Dimmable	Yes, compatible with most ELV and MLV dimmers	

Safety and Notes

- Product should be installed and serviced by a certified electrician in accordance with applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source and circuit breakers are switched off before performing any installation or wiring procedures.
- Ensure all mounts are securely attached and will support the weight of the power supply. Failure to properly support may result in damage or injury, for which the manufacturer does not assume responsibility.
- Installation of overvoltage and surge protection devices in the power supply input circuit is recommended to ensure safety during use.
- Mount to a metal surface in a well-ventilated place to ensure that the environment temperature is appropriate for operation.
- Do not stack any objects on the power supply. Please do not touch the aluminum housing, as it may become hot during use.
- Suitable for damp locations. Do not expose to corrosive gas or liquids.
- **Ensure the installation of the power supply complies with all driver specifications.**

Installation

1. Before starting installation, ensure power is completely disconnected at the source and cannot be inadvertently reconnected.
2. Select an appropriate and structurally sound mounting location. Secure the driver to the surface using suitable screws.
3. Remove driver cover and plastic end caps to access the input and output terminal blocks. Make all connections using the integrated screw terminals and suitable wire connectors (if necessary). For damp installation locations, verify that all connections and housings are tight to prevent water intrusion into the system.
4. Briefly apply power to test for proper function. Once proper operation is confirmed, disconnect the power and complete the installation.
5. If any event occurs, such as tripping a breaker or irregular operation, disconnect the input power and output connections.
   A qualified technician should examine all faults. Please do not attempt to remove the power supply case yourself. For additional support, please see our contact information below.

4400 Earth City Expy, St. Louis, MO 63045 • 866.201.2238 • diodedrive.com

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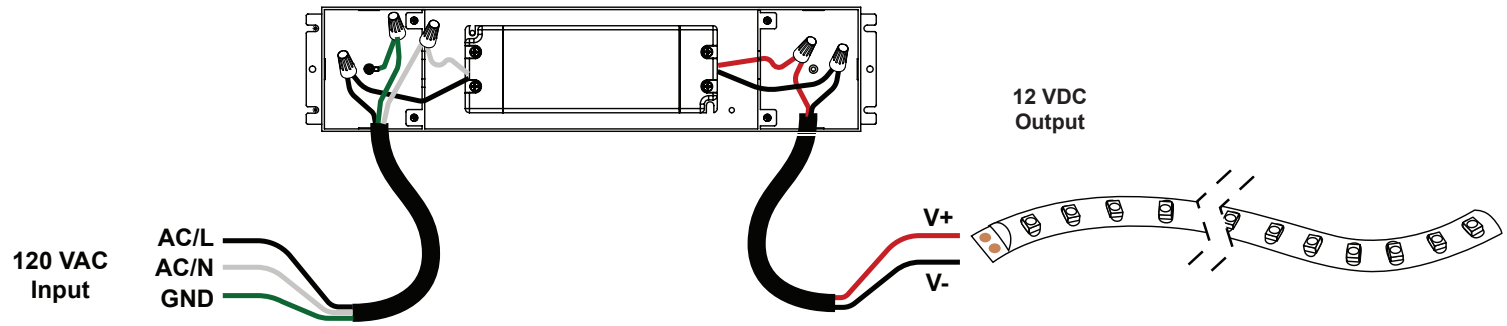
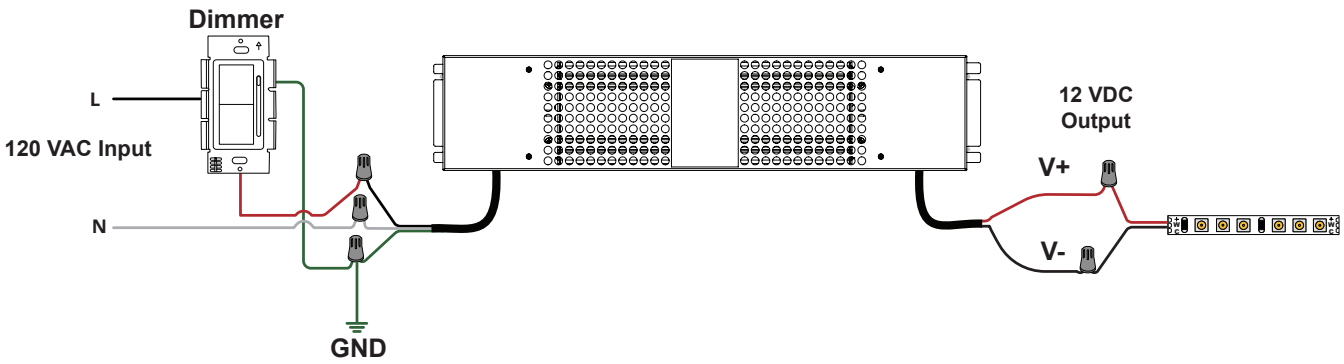
Wiring Diagram



TRIAC (ELV or MLV) Dimmer Wiring Diagram

Single color 12V LED strip

Note: Electronic Low Voltage Dimmers may require Neutral wire connection.