



Constant Voltage LED Power Supply- Class 2

CVN242-120-277



Overview

Engineered for reliability and efficiency, the Allanson CVN242-120-277 Constant Voltage LED Power Supply delivers a consistent 24V DC output for a wide range of commercial lighting applications. Operating on 120-277V AC, this 60W unit meets UL Class 2 and Class P requirements for professional-grade performance. Built for both dry and damp locations, it features advanced protection circuitry and is backed by a 5-year warranty—ensuring dependable power you can trust.



Explore

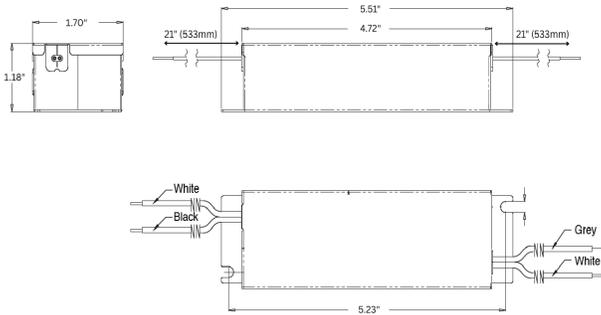


Where to Buy

Features

- Single-channel, constant voltage 24V DC output
- Wide input range: 120–277V AC
- Built-in protection for voltage, current, short circuit, and temperature
- Works with all 24V DC LED lighting products
- Safe for use in dry and damp environments

Dimensions



Specifications

Part Number.....	CVN242-120-277
Output Channel.....	1
Output Voltage.....	24V DC
Output Current.....	2.5A
Max. Output Power.....	60W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	NPF >0.5 @ 120V
Max Input Current.....	1.3A @ 120V / 0.75A @ 240V / 0.65A @ 277V
Efficiency at Full Load.....	88% @ 120V / 89% @ 240V / 90% @ 277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL
Protective Characteristics	Over-voltage / Over-current/ Short-circuit/ Over-temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B @ 120V, Class A @ 277V
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry and damp locations
Operating Temperature.....	-40°C ~ 60°C / -40°F ~ 140°F
Storage Temperature.....	-40°C ~ 85°C / -40°F ~ 185°F
Relative Humidity.....	5% to 95% non- condensing
Net Weight.....	0.68lbs / 0.31kg
Dimensions (LxWxH).....	5.51" x 1.71" x 1.18" / 140.0mm x 43.4mm x 30.0mm
Warranty.....	5 Years

Installation & Operating Instructions

- Do not install with power connected or during an electrical disturbance.
- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Power supply operates at high temperatures. To avoid injury, do not touch while in use. Do not overload the power supply.
- Ensure the power supply position has sufficient airflow. Operating temperature must be within the temperature limit mentioned above.
- In the end application, the maximum case temperature (Tc) shall not be exceeded 90°C.
- All connection must be performed in accordance with NEC and local electrical codes.

