

Specification-Ready. Field-Proven. Engineered for Longevity.

ALLANSON POWER SUPPLY CATALOGUE

ACV/ACVN SERIES

All-Weather Performance in Dry & Damp Environments



FCC compliant with UL Class 2 certification



12V output with multi-channel flexibility



CVW SERIES



Water Tight IP68 Rated



Fully Encapsulated against dust & moisture



Short Circuit & Overload Protection

CV/CVN SERIES

Safe For Use in Dry & Damp Environments



Ensures Safe and Reliable Operation in Demanding Lighting Applications



Short Circuit & Overload Protection



Allanson

TRIED • TRUSTED • TRUE



1

PROJECT LAUNCH

Get expert guidance to kickstart your lighting project with precision and confidence.



2

PRODUCT INQUIRY

Have questions? Our team is ready to help with product details, compatibility, and solutions.



3

LAYOUT + ESTIMATES

We assist in planning efficient layouts and provide accurate cost estimates for your project.



4

WIRING DIAGRAM

Clear, customized wiring diagrams ensure smooth installation and optimal performance.

PURCHASE




5

ALWAYS-ON TECHNICAL SUPPORT

Our team is here to ensure a smooth setup, programming, and troubleshooting experience. With in-house services and centralized product recommendations, we simplify your RGB projects from design to installation.

CONTACT US

 +1-800-661-7251

 www.allanson.com

 cservice@allanson.com



WELCOME TO PHARR
★ T E X A S ★

ACV
POWER
SUPPLIES



Constant Voltage LED Power Supply- Class 2

ACV125-120-277V



Overview

Compact yet reliable, the Allanson ACV125-120-277V Constant Voltage LED Power Supply delivers a consistent single-channel 12V DC output at up to 60W. Designed for universal 120–277V AC input operation, it meets UL Class 2, Class P, and CSA standards, ensuring compliance and safety. Featuring full protection circuitry and suitability for dry and damp environments, this unit is ideal for residential, commercial, and specialty lighting applications where space, efficiency, and reliability are essential.



Explore

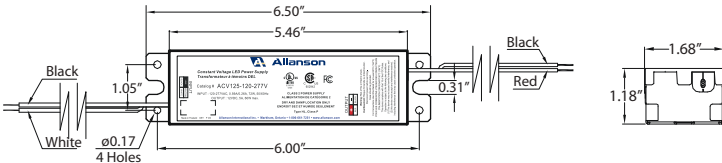


Where to Buy

Features

- Single- channel constant voltage 12V DC output
- Wide input operating range: 120–277V AC
- UL Class 2, CSA certified
- Comprehensive protection: over-voltage, over-current, short-circuit, and over-temperature
- Compatible with all 12V DC LED lighting products
- Approved for dry and damp environments
- 5-year warranty included

Dimensions



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.

Specifications

Part Number.....	ACV125-120-277V
Output Channel.....	1
Output Voltage.....	12V DC
Output Current.....	5.0A
Max. Output Power.....	60W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.95 @120-277V
Max Input Current.....	0.59A @120V / 0.26A @277V
Efficiency at Full Load.....	85.0% @120V / 85.7% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over-temperature
EMC.....	FCC 47CFR Part 15, Subpart B, Class A
Surge Protection.....	L-N and L-G, N-G, L&N-G, ANSI C62.41- Category A1 with a 2.5kV/100kA ring wave
UL Environmental Suitability....	Dry and damp locations
Operating Temperature.....	-40°C ~ 55°C / -40°F ~ 131°F
Storage Temperature.....	-40°C ~ 85°C / -40°F ~ 185°F
Relative Humidity.....	10% to 90% non- condensing
Storage Relative Humidity.....	5% to 95% non- condensing
Net Weight.....	0.84lbs / 0.38kg
Dimensions (LxWxH).....	6.50" x 1.68" x 1.18" / 165.1mm x 43.0mm x 30.0mm
Warranty.....	5 Years





Constant Voltage LED Power Supply- Class 2

ACV2125-120-277V



Overview

Designed for versatility and efficiency, the Allanson ACV2125-120-277V Constant Voltage LED Power Supply provides dual-channel 12V DC output with a total power capacity of 120W. Operating on a universal 120–277V AC input, this driver is certified to UL Class 2, Class P, and CSA standards, ensuring safe and reliable performance. With integrated safeguards against electrical and thermal faults, and suitability for both dry and damp environments, it offers long-lasting dependability for a broad range of LED lighting applications.



Explore

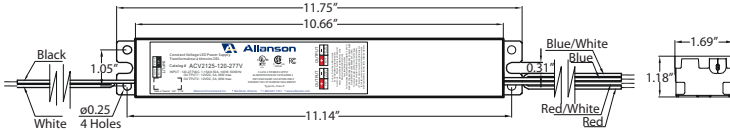


Where to Buy

Features

- Dual-channel constant voltage 12V DC output
- Universal input range: 120-277V AC
- Protection against over-voltage, over-current, short-circuit, and over-temperature
- Compatible with all 12V DC LED lighting products
- Safe for use in dry and damp environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number.....	ACV2125-120-277V
Output Channel.....	2
Output Voltage.....	12V DC
Output Current.....	5.0A X 2
Max. Output Power.....	120W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.95 @120-277V
Max Input Current.....	1.15A @120V / 0.50A @277V
Efficiency at Full Load.....	86.0% @120V / 88.5% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL,CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15, Subpart B, Class A
Surge Protection.....	L-N and L-G, N-G, L&N-G, ANSI C62.41- Category A1 with a 2.5kV/100kA ring wave
UL Environmental Suitability....	Dry and damp locations
Operating Temperature.....	-40°C ~ 55°C / -40°F ~ 131°F
Storage Temperature.....	-40°C ~ 85°C / -40°F ~ 185°F
Operating Relative Humidity... ..	10% to 90% non- condensing
Storage Relative Humidity.....	5% to 95% non- condensing
Net Weight.....	1.59lbs / 0.72kg
Dimensions (LxWxH).....	11.75" x 1.69" x 1.18" / 298.5mm x 43.0mm 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.



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Constant Voltage LED Power Supply- Class 2

ACV3125-120-277V



Overview

Engineered for high-capacity performance, the Allanson ACV3125-120-277V Constant Voltage LED Power Supply delivers a steady 12V DC output across three channels, supporting up to 180W of LED lighting. Operating from a wide 120–277V AC input range, this unit combines high efficiency with UL Class 2, Class P, and CSA certifications for professional-grade reliability. With robust protection against electrical and thermal stress, and a rugged design rated for dry and damp environments, it ensures dependable operation in both commercial and industrial lighting applications.



Explore

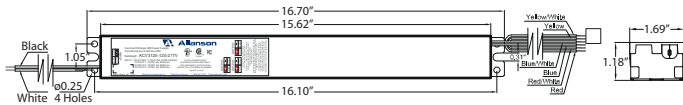


Where to Buy

Features

- Three- channel, constant voltage 12V DC output
- Wide input range: 120—277V AC
- Built-in protection for over-voltage, over-current, short circuit, and over-temperature
- Compatible with all 12V DC LED lighting products
- Safe for use in dry and damp environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number.....	ACV3125-120-277V
Output Channel.....	3
Output Voltage.....	12V DC
Output Current.....	5.0A X 3
Max. Output Power.....	180W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.95 @120-277V
Max Input Current.....	1.70A @120V / 0.75A @277V
Efficiency at Full Load.....	88.0% @120V / 89.0% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL,CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15, Subpart B, Class A
Surge Protection.....	L-N and L-G, N-G, L&N-G, ANSI C62.41- Category A1 with a 2.5kV/100kA ring wave
UL Environmental Suitability....	Dry and damp locations
Operating Temperature.....	-40°C ~ 55°C / -40°F ~ 131°F
Storage Temperature.....	-40°C ~ 85°C / -40°F ~ 185°F
Operating Relative Humidity...	10% to 90% non- condensing
Storage Relative Humidity.....	5% to 95% non- condensing
Net Weight.....	2.60lbs / 1.18kg
Dimensions (LxWxH).....	16.70" x 1.69" x 1.18" / 424.2mm x 43.0mm 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.





**ACVN
POWER
SUPPLIES**



Constant Voltage LED Power Supply- Class 2

ACVN125-120-277V



Overview

Optimized for compact installations, the Allanson ACVN125-120-277 Constant Voltage LED Power Supply provides dependable single-channel 12V DC output with a maximum power capacity of 60W. Supporting universal 120–277V AC input and certified to UL Class 2, Class P, and CSA standards, it ensures reliable performance under demanding conditions. Equipped with advanced protection features and designed for use in dry and damp locations, this power supply delivers lasting efficiency and safety for LED lighting projects.



Explore



Where to Buy

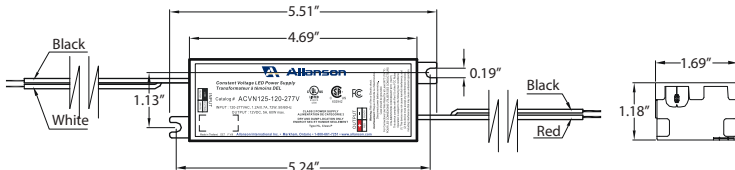
Features

- Single- channel, constant voltage 12V DC output
- Input voltage: 120-277V AC
- UL Class 2, CSA certified
- Protection against over-voltage, over-current, short circuit, and over-temperature
- Compatible with all 12V DC LED lighting products
- Suitable for dry and damp locations
- Protected by a 5-year warranty

Specifications

Part Number.....	ACVN125-120-277V
Output Channel.....	1
Output Voltage.....	12V DC
Output Current.....	5.0A
Max. Output Power.....	60W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	NPF >0.5 @120V
Max Input Current.....	1.20A @120V/ 0.70A @277V
Efficiency at Full Load.....	84.0% @120V/ 86.0% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ over- temperature
EMC.....	FCC 47CFR Part 15, Subpart B, Class A
Surge Protection.....	L-N and L-G, N-G, L&N-G, ANSI C62.41- Category A1 with a 2.5kV/100kA ring wave
UL Environmental Suitability....	Dry and damp locations
Operating Temperature.....	-40°C ~ 55°C / -40°F ~ 131°F
Storage Temperature.....	-40°C ~ 85°C / -40°F ~ 185°F
Relative Humidity.....	10% to 90% non- condensing
Storage Relative Humidity.....	5% to 95% non-condensing
Net Weight.....	0.77lbs / 0.35kg
Dimensions (LxWxH).....	5.51" x 1.69" x 1.18"
Warranty.....	5 Years

Dimensions



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.





CV

**POWER
SUPPLIES**



Constant Voltage LED Power Supply- Class 2

CV125-347



Overview

Compact and efficient, the Allanson CV125-347 Constant Voltage LED Power Supply is purpose-built for 12V DC LED lighting applications. Delivering up to 60W of output power, this single-channel unit operates on 347V AC input with strong efficiency and UL Class 2 certification. With protection against voltage, current, and short-circuit faults, it provides long-term reliability in dry and damp installations, backed by Allanson's 5-year warranty.



Explore

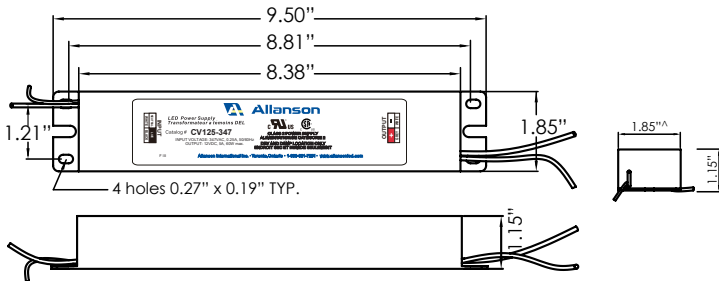


Where to Buy

Features

- Single- channel, constant voltage 12V DC output
- Input voltage: 347V AC
- UL Class 2, CSA certified
- Protection against over-voltage, over-current and short circuit
- Compatible with all 12V DC LED lighting products
- Safe for use in dry and damp environments
- 5-year warranty

Dimensions



Specifications

Part Number.....	CV125-347
Output Channel.....	1
Output Voltage.....	12V DC
Output Current.....	5.0A
Max. Output Power.....	60W
Input Voltage.....	347V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @347V
Max Input Current.....	0.25A
Efficiency at Full Load.....	83%
Safety Standard.....	UL8750, UL879, Class 2, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class A
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.....	1.43lbs / 0.65kg
Dimensions (LxWxH).....	9.50" x 1.85" x 1.15" / 241.0mm x 46.9mm x 28.7mm
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.





Constant Voltage LED Power Supply- Class 2

CV244-120-277



Overview

Designed for versatility and performance, the Allanson CV244-120-277 Constant Voltage LED Power Supply provides a stable 24V DC output across a wide 120–277V AC input range. With a maximum power of 96W, this unit meets UL Class 2 and Class P standards, ensuring safe and reliable operation in demanding lighting applications. Built-in advanced protection and suitability for dry and damp locations make it a dependable solution for commercial installations, backed by a 5-year warranty.



Explore

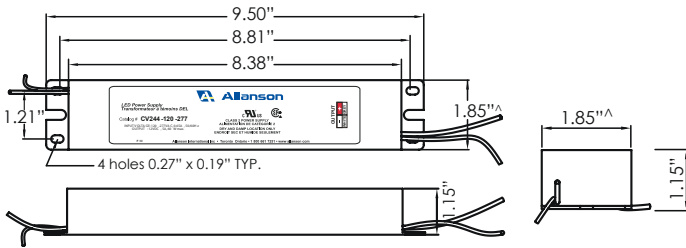


Where to Buy

Features

- Single- channel, constant voltage 24V DC output
- Wide input range: 120–277V AC
- Advanced protection: over-voltage, over- current, short- circuit, and over-temperature
- Compatible with all 24V DC LED lighting products
- Safe for use in dry and damp environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number.....	CV244-120-277
Output Channel.....	1
Output Voltage.....	24V DC
Output Current.....	4.0A
Max. Output Power.....	96W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @120-277V
Max Input Current.....	0.95A @120V / 0.46A @240V / 0.40A @277V
Efficiency at Full Load.....	88% @120V / 89% @240V / 89% @277V
Safety Standard.....	UL8750, UL879, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B @120V
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.....	1.43lbs / 0.65kg
Dimensions (LxWxH).....	9.50" x 1.85" x 1.15"
Warranty.....	241.0mm x 46.9mm x 28.7mm 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.





Constant Voltage LED Power Supply- Class 2

CV244-347



Overview

Optimized for high-voltage systems, the Allanson CV244-347 Constant Voltage LED Power Supply delivers a reliable 24V DC output with 96W maximum power. Engineered for efficiency, it operates exclusively on 347V AC input while meeting UL Class 2, Class P, and CSA certifications for professional-grade compliance. With comprehensive circuit protection and an extended operating temperature range, this unit ensures consistent performance in both dry and damp environments.



Explore

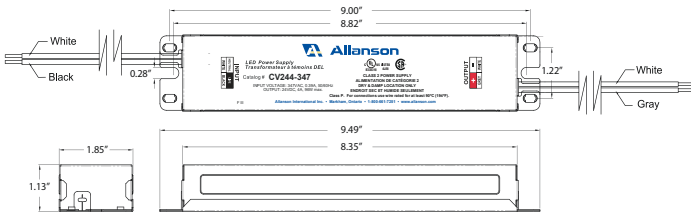


Where to Buy

Features

- Single- channel, constant voltage 24V DC output
- Input voltage: 347V AC
- UL Class 2, Class P, Type HL, CSA certified
- Built-in safeguards: over-voltage, over-current, short-circuit, and over-temperature
- Works with all 24V DC LED lighting products
- Safe for use in dry and damp environments
- 5-year warranty

Dimensions



Specifications

Part Number.....	CV244-347
Output Channel.....	1
Output Voltage.....	24V DC
Output Current.....	4.0A
Max. Output Power.....	96W
Input Voltage.....	347V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @347V
Max Input Current.....	0.39A
Efficiency at Full Load.....	88%
Safety Standard.....	UL8750, Class 2, Class P, Type HL,CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ EMC.....
	Over- temperature
	FCC 47CFR Part 15 ANSI C63. 4:2009 Class A
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.....	1.43lbs / 0.65kg
Dimensions (LxWxH).....	9.49" x 1.85" x 1.13"
	241.0mm x 46.9mm x 28.7mm
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.





CVW POWER SUPPLIES



Constant Voltage LED Power Supply- Class 2

CVW125-120-277



Overview

Built for dependable performance, the Allanson CVW125-120-277 Constant Voltage LED Power Supply provides a stable 12V DC output with up to 60W of power. Designed for single-channel applications, it operates on a wide 120-277V AC input range, meeting UL Class 2 and Class P standards. With advanced protection features and an IP68-rated enclosure, this driver ensures long-lasting reliability in dry, damp, and wet environments..



Explore



Where to Buy

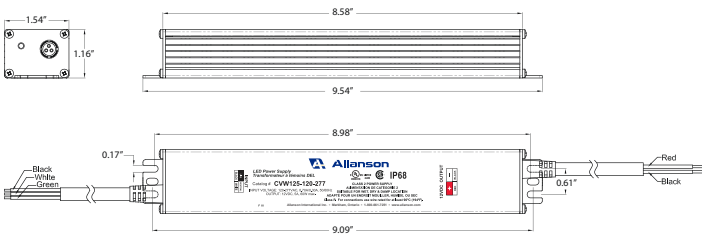
Features

- Single- channel, constant voltage 12V DC output
- Input voltage: 120-277V AC
- UL Class 2, CSA certified
- Protection against over-voltage, over-current, short circuit and over-temperature
- Compatible with all 12V DC LED lighting systems
- Safe for dry, damp and wet locations
- 5-year warranty

Specifications

Part Number.....	CVW125-120-277
Output Channel.....	1
Output Voltage.....	12V DC
Output Current.....	5.0A
Max. Output Power.....	60W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @ 120-277V AC
Max Input Current.....	0.70A @ 120V / 0.35A @ 240V / 0.30A @ 277V
Efficiency at Full Load.....	86.0% @ 120V/ 87% @ 240V / 88.0% @ 277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	1.32lbs / 0.60kg
Dimensions (LxWxH).....	9.54" x 1.54" x 1.16" / 242.2mm x 39.0mm x 29.5mm
Warranty.....	5 Years

Dimensions



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.





Constant Voltage LED Power Supply- Class 2

CVW243-MV



Overview

Delivering dependable performance, the Allanson CVW243-MV Constant Voltage LED Power Supply offers a single-channel 24V DC output with a 72W power rating. Engineered for durability, it features short-circuit and overload protection, UL Class 2 Compliance, and an IP68 rating, ensuring reliable operation in dry, damp, or wet environments.



Explore

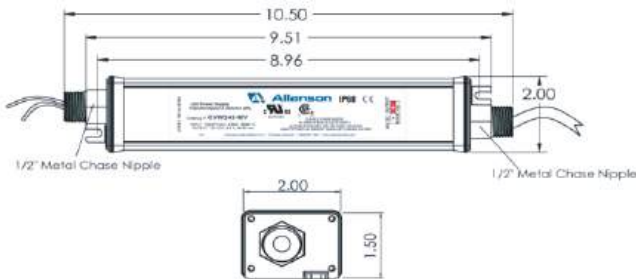


Where to Buy

Features

- UL Class 2, CSA
- Single channel constant voltage output
- Input voltage 120-277V
- Short circuit and overload protection
- Compatible with all 24V DC LED lighting products
- IP68 rated
- Suitable for dry, damp and wet locations
- 5-year warranty

Dimensions



Specifications

Part Number.....	CVW243-MV
Output Channel.....	1
Output Voltage.....	24V DC
Output Current.....	3.3A
Max. Output Power.....	72W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90
Max Input Current.....	0.80A @120V/ 0.36A @277V
Safety Standard.....	UL8750, Class 2, CSA
Protective Characteristics	Short-circuit and overload protection
UL Environmental Suitability....	Dry, damp and wet locations
Operating Temperature.....	-40°C ~ 60°C / -40°F ~ 140°F
Net Weight.....	2.0lbs / 0.91kg
Dimensions (LxWxH).....	10.50" x 2.00" x 1.50"
	/ 266.7mm x 50.8mm x 38.7mm
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.





Constant Voltage LED Power Supply- Class 2

CVW244-120-277



Overview

The Allanson CVW244-120-277 Constant Voltage LED Power Supply is optimized for single-channel 24V DC applications, providing up to 96W of reliable output. With universal 120-277V AC input, UL Class 2 and Class P compliance, and IP68 protection, this driver ensures consistent and safe performance in both indoor and outdoor lighting projects.



Explore

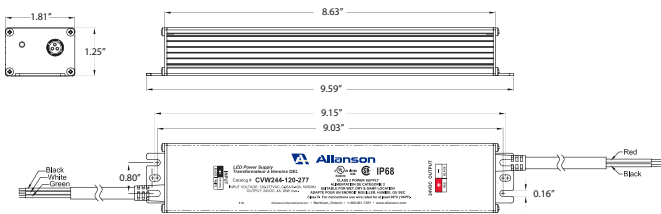


Where to Buy

Features

- Single- channel, constant voltage 24V DC output
- Wide input range: 120—277V AC
- Built-in protection for voltage, current, short circuit, and temperature faults
- IP68- rated enclosure for maximum durability
- Works with all 24V DC LED lighting systems
- Safe for use in dry, damp and wet environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number.....	CVW244-120-277
Output Channel.....	1
Output Voltage.....	24V DC
Output Current.....	4.0A
Max. Output Power.....	96W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @120-277V
Max Input Current.....	0.95A @120V / 0.46A @240V / 0.40A @277V
Efficiency at Full Load.....	87.0% @120V / 88% @240V / 89.0% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	1.54lbs / 0.70kg
Dimensions (LxWxH).....	9.59" x 1.81" x 1.25"
	243.5mm x 46.0mm x 31.8mm
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.





Constant Voltage LED Power Supply- Class 2

CVW2125-120-277



Overview

The Allanson CVW2125-120-277 Constant Voltage LED Power Supply delivers dual-channel 12V DC output with up to 120W of total power. Engineered for efficiency and safety, this driver operates across 120-277V AC and complies with UL Class 2 and Class P requirements. IP68 protection and built-in circuitry safeguards ensure reliability in both indoor and outdoor installations.



Explore



Where to Buy

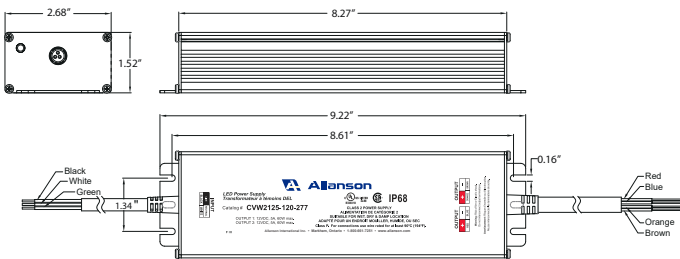
Features

- Dual-channel, constant voltage 12V DC output
- Wide input range: 120—277V AC
- Protection against over-voltage, over-current, short circuit and over-temperature
- Works with all 12V DC LED lighting systems
- IP68-rated for durability
- Safe for use in dry, damp and wet environments
- 5- year warranty

Specifications

Part Number.....	CVW2125-120-277
Output Channel.....	2
Output Voltage.....	12V DC
Output Current.....	5.0A x 2
Max. Output Power.....	120W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @ 120-277V
Max Input Current.....	1.40A @120V / 0.70A @240V / 0.60A @277V
Efficiency at Full Load.....	86.0% @120V / 87% @240V / 88.0% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	2.43lbs / 1.10kg
Dimensions (LxWxH).....	9.22" x 2.68" x 1.52" / 234.2mm x 68.0mm x 38.7mm
Warranty.....	5 Years

Dimensions



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.





Constant Voltage LED Power Supply- Class 2

CVW2244-120-277



Overview

The Allanson CVW2244-120-277 Constant Voltage LED Power Supply provides dual-channel 24V DC output with up to 192W of reliable power. Designed for energy efficiency and long-term durability, it operates across 120-277V AC input and includes advanced safety protection. Its IP68-rated enclosure makes it an ideal choice for both indoor and outdoor lighting applications.



Explore

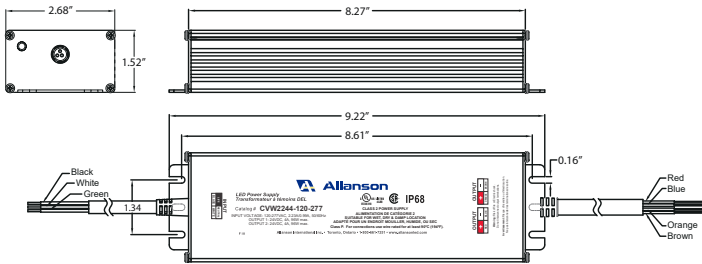


Where to Buy

Features

- Dual-channel, constant voltage 24V DC output
- Input voltage range: 120–277V AC
- Built-in protection for over-voltage, over-current, short circuit, and overheating
- Works with all 24V DC LED lighting products
- Safe for use in dry, damp and wet environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number.....	CVW2244-120-277
Output Channel.....	2
Output Voltage.....	24V DC
Output Current.....	4.0A x 2
Max. Output Power.....	192W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @ 120-277V
Max Input Current.....	2.23A @120V / 1.14A @240V / 0.99A @277V
Efficiency at Full Load.....	88% @120V / 89% @240V / 90% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL,CSA
Protective Characteristics	Over-voltage / Over-current/ Short-circuit/ Over-temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	2.53lbs / 1.10kg
Dimensions (LxWxH).....	9.22" x 2.68" x 1.52"
	234.2mm x 68.0mm x 38.7mm
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.





Constant Voltage LED Power Supply- Class 2

CVW3125-120-277



Overview

Engineered for high-performance applications, the Allanson CVW3125-120-277 Constant Voltage LED Power Supply delivers triple-channel 12V DC output with up to 180W of total power. Designed to meet UL Class 2 and Class P standards, this driver combines efficiency, safety, and ruggedness with IP68 protection—making it an ideal choice for demanding LED lighting installations.



Explore

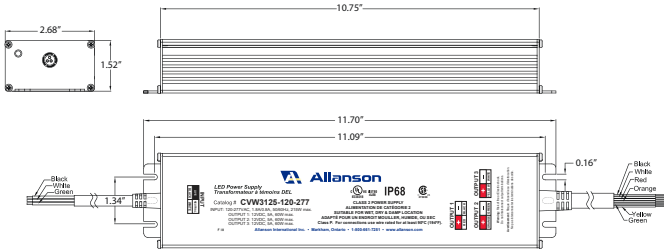


Where to Buy

Features

- Triple-channel, constant voltage 12V DC output
- Wide input range: 120—277V AC
- Built-in protection for over- voltage, over- current, short-circuit, and over-temperature
- Works with all 12V DC LED lighting systems
- IP68- rated enclosure for reliable operations
- Safe for use in dry, damp and wet locations
- 5- year warranty

Dimensions



Specifications

Part Number.....	CVW3125-120-277
Output Channel.....	3
Output Voltage.....	12V DC
Output Current.....	5.0A x 3
Max. Output Power.....	180W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @120-277V
Max Input Current.....	1.80A @120V / 0.92A @240V / 0.80A @277V
Efficiency at Full Load.....	88% @120V / 89% @240V / 89% @277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	3.53lbs / 1.60kg
Dimensions (LxWxH).....	11.70" x 2.68" x 1.52" / 297.2mm x 68.0mm x 39.0mm
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.



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Constant Voltage LED Power Supply- Class 2

CVW3244-120-277



Overview

Delivering exceptional capacity, the Allanson CVW3244-120-277 Constant Voltage LED Power Supply features triple-channel 24V DC output with a maximum 288W power rating. Built for professional-grade installations, it offers robust protection, UL Class 2 and Class P compliance, and an IP68 rating—ensuring long-lasting performance in harsh environments.



Explore

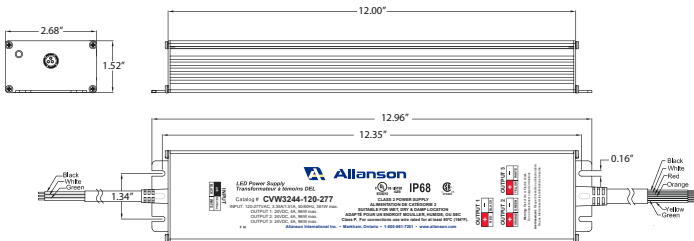


Where to Buy

Features

- Triple- channel, constant voltage 24V DC output
- Input voltage: 120-277V AC
- IP68-rated for rugged, waterproof use
- Protection against over-voltage, over-current and short circuit
- Compatible with all 12V DC LED lighting products
- Safe for use in dry, damp and wet locations
- 5-year warranty

Dimensions



Specifications

Part Number.....	CVW3244-120-277
Output Channel.....	3
Output Voltage.....	24V DC
Output Current.....	4.0A x 3
Max. Output Power.....	288W
Input Voltage.....	120-277V AC
Input Frequency.....	50/60Hz
Power Factor.....	HPF >0.90 @ 120-277V
Max Input Current.....	3.35A @ 120V/ 1.74A @ 240V/ 1.51A @ 277V
Efficiency at Full Load.....	89% @ 120V/ 90% @ 240V/ 91% @ 277V
Safety Standard.....	UL8750, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over-temperature
EMC.....	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B
Surge Protection.....	2.5kV for combination wave/ ring wave
UL Environmental Suitability....	Dry, damp and wet 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.....	3.97lbs / 1.80kg
Dimensions (LxWxH).....	12.96" x 2.68" x 1.52" / 329.2mm x 68.0mm x 38.7mm
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.



A modern office lobby with a large glass wall and a purple 'Courtyard' sign. The sign is illuminated and features a stylized, cursive font. The lobby is well-lit with recessed ceiling lights and has several potted plants in the foreground. The background shows a blurred view of the office interior through the glass wall.

Courtyard

CVN POWER SUPPLIES



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

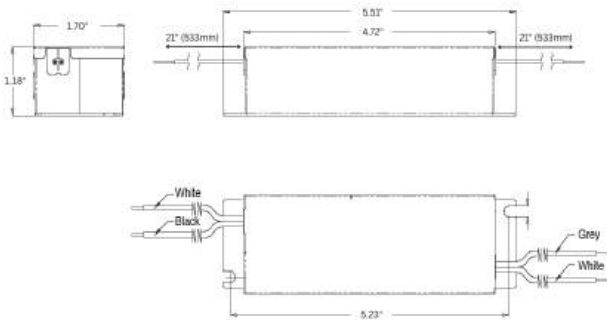


Where to Buy

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.





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