LED DRIVER

JINBO

192W WATERPROOF LED DRIVER

Universal 100–277V AC input, 24V DC output, IP67 for indoor & outdoor use.



JINBO 192W Waterproof LED Driver is a constant-voltage power supply for 24V DC LED lighting and signs. It accepts a universal 100–277V AC input and delivers a full 192W output at 92% typical efficiency, split across two 24V DC, 96W Class 2 output channels. Housed in an IP67 aluminum enclosure for indoor and outdoor use, it is UL listed and protected against overload and short circuit with automatic recovery. Every unit is 100% full-load burn-in tested.

PRODUCT FEATURES

- Constant Voltage Output: 24V DC
- Input Voltage 100–277V AC
- 192W Rated Output Power
- High Transfer Efficiency
- IP67 Waterproof Aluminum Housing
- Suitable for Indoor & Outdoor Use
- Overload & Short-Circuit Protection
- 100% Full-Load, 100% Burn-In Tested
- UL Listed
- Class 2 & SELV Certified

APPLICATION

- High-Density LED Strip Runs
- Commercial Signage
- Cove Lighting
- Architectural Accent Lighting
- Retail Display Lighting
- Large LED Installations

ELECTRICAL SPECIFICATIONS

- Input Voltage: 100–277V AC
- Input Frequency: 50/60Hz
- Input Current: 120V:1.4A, 230V: 3.2A
- Output Voltage: 24V DC
- Output Current: 8A
- Rated Power 192W
- Efficiency 92%
- Ripple & Noise <300mVp-p
- Line / Load Regulation 1% / 1%

INPUT & OUTPUT CONNECTIONS

- Input: Black SJTW, 3-Conductor, 18 AWG
- Output: Black SJTW, 2-Conductor × 2, 18 AWG
- Output Polarity: Red (+), Black (–)
- Lead Length: 8.66" Input & Output
- Cable Diameter: 0.24" ±0.004"

MECHANICAL SPECIFICATIONS

- Housing Aluminum
- IP Rating IP67
- Working Temp. -25°C ~ +70°C

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Due to continuous product improvement, information in this document is subject to change.

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WHY CHOOSE JINBO LED DRIVER

- 192W at 24V DC from One Driver
- Universal 100–277V AC Input
- IP67 Waterproof for Indoor & Outdoor Installations
- Dual Listed for Lighting and Sign Applications
- 92% Typical Efficiency
- Two 96W Class 2 Output Channels
- Hiccup-Mode Protection with Automatic Recovery

CERTIFICATIONS & COMPLIANCE

- UL Listed
- Class 2, SELV
- IP67 Rated

SERVICE ENVIRONMENT

- Working Temp. -25°C ~ +70°C
- Working Humidity 15 ~ 99% RH
- Storage Temp. -40°C ~ +85°C
- Storage Humidity 15 ~ 99% RH



Dimensions shown in inches. Housing: Aluminum.

QUICK SPEC TABLE

SKU	MODEL NUMBER	WATT	WORKING TEMP	ENVIRONMENT	MAX. OUTPUT CURRENT	INPUT VOLTAGE	OUTPUT VOLTAGE	EFFICIENCY	IP RATING	CERTIFI-CATIONS
157586	JLV-24192KA-UC	192W	-25°C ~ +70°C	Indoor & Outdoor	8A	100–277V AC	24V DC	92%	IP67	UL

JINBO
LED DRIVER

Electrical Data

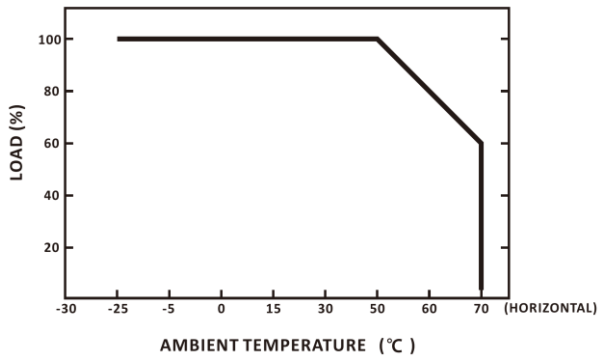
AC INPUT	
Input Voltage	100–277V AC
Input Frequency	50/60Hz
Efficiency (Typ.)	92%
Input Current	3.1A Max. (per product label)
Inrush Current	70A
Leakage Current	5mA/230VAC

SAFETY	
Safety Standard	EN 61347-2-13, UL 1310, UL 8750
Withstand Voltage	I/P-O/P: 1750VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC / 25°C / 70%RH

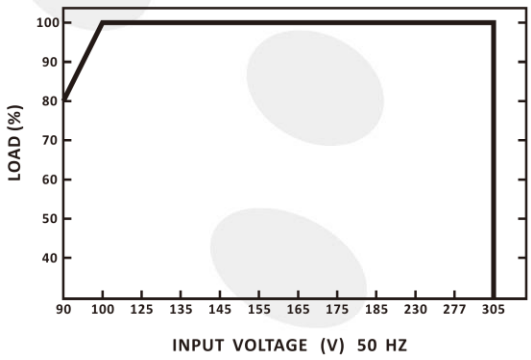
DC OUTPUT	24V
SKU	157586
Model	JLV-24192KA-UC
Output Voltage	24V
Rated Current	8A
Output Channels	2 × 4A / 96W
Rated Power	192W
Ripple & Noise (Max.)	<300mVp-p
Setup, Rise Time	1500ms
Line Regulation	1%
Load Regulation	1%

Performance Data

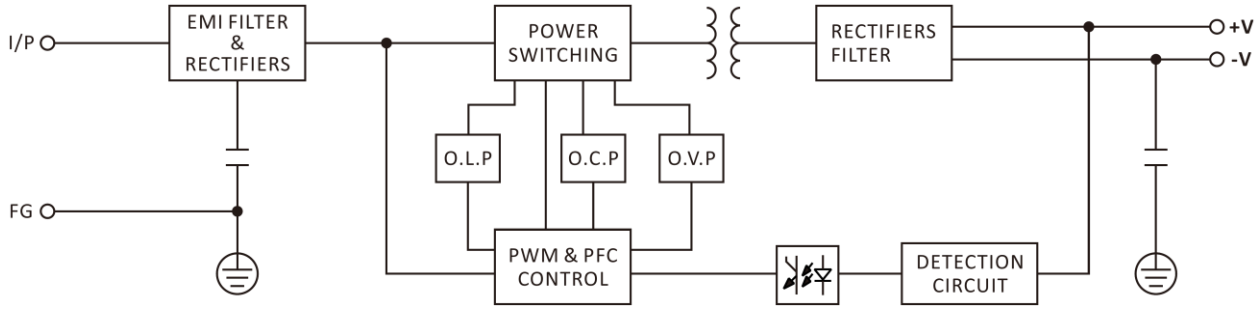
Derating Curve



Static Characteristics



Block Diagram



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Installation

IMPORTANT SAFETY INFORMATION

- Warning: risk of fire or electric shock – installation by qualified personnel only
- Identify the driver's input and output before installation
- Power on only after all wire connections are complete
- Verify the supply voltage is within the 100–277V AC input range
- Do not interconnect output terminals

GENERAL INSTALLATION NOTES

- Suitable for indoor and outdoor use; IP67 waterproof housing
- Install the driver in a location with good ventilation and cooling
- Mount the driver as near to the LED load as possible to avoid voltage drop on the output wiring
- If long extension wires must be used, use thicker wires and reduce the connected load wattage

WIRING INSTRUCTIONS

AC Input (3-Conductor, Black SJTW Cable)

- Line (L) / Neutral (N): as marked on the driver label
- Ground: Green/Yellow

DC Output (2 × 2-Conductor, Black SJTW Cables)

- Red – Positive (+)
- Black – Negative (–)
- Ensure correct + and – connection to the LED load
- Outputs 1 and 2 each 24V DC 4A 96W



AC input end – label markings



DC output end – 2 output channels

PROTECTION

Overload: active when the load exceeds 105–120%. The output shuts off and operates in hiccup mode.

Short Circuit: hiccup mode; recovers automatically after the fault condition is removed.
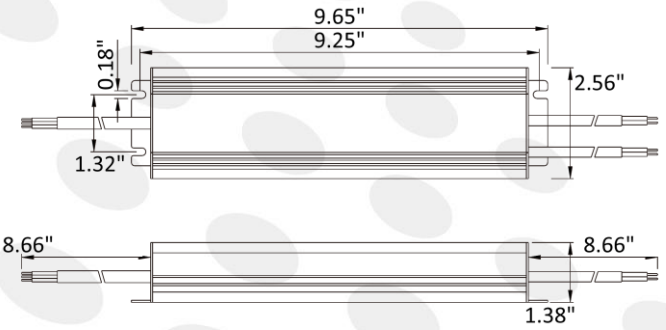
LOCATION RATING

- Suitable for wet, dry and damp locations (as marked on the product label)
- Rated ambient (ta) 50°C; case temperature (tc) 80°C

Installation

MOUNTING DIMENSIONS

Overall Length 9.65"
Width 2.56"
Height 1.38"
Input / Output Leads 8.66"
Refer to the drawing for mounting tab dimensions.



FINAL CHECK

- Confirm input and output leads are correctly identified
- Confirm output polarity: Red (+), Black (–)
- Confirm all wire connections are complete and secure
- Energize circuit

Packaging

SKU#	Model	Carton Dimension	Qty	Net Weight (each)	Gross Weight (per carton)
157586	JLV-24192KA-UC	13.39" × 11.22" × 7.68"	16 PCS/Carton	2.11 LBS	35.71 LBS

Product dimension: 9.65" × 2.56" × 1.38"

Warranty

- Warranty terms and coverage period: see Beyond LED Technology terms and conditions
  https://beyondledtechnology.com/pages/terms-and-conditions