

OUTDOOR DRIVE POWER SUPPLY

Richmat LED Drive

China's leading professional brand in LED outdoor lighting

SHENZHEN RICHMAT POWER TECHNOLOGY CO.,LTD

I Road lighting II Industrial Lighting III Sports Lighting IV Plants Lighting V Landscape Lighting

DESIGNED BY RICHMAT

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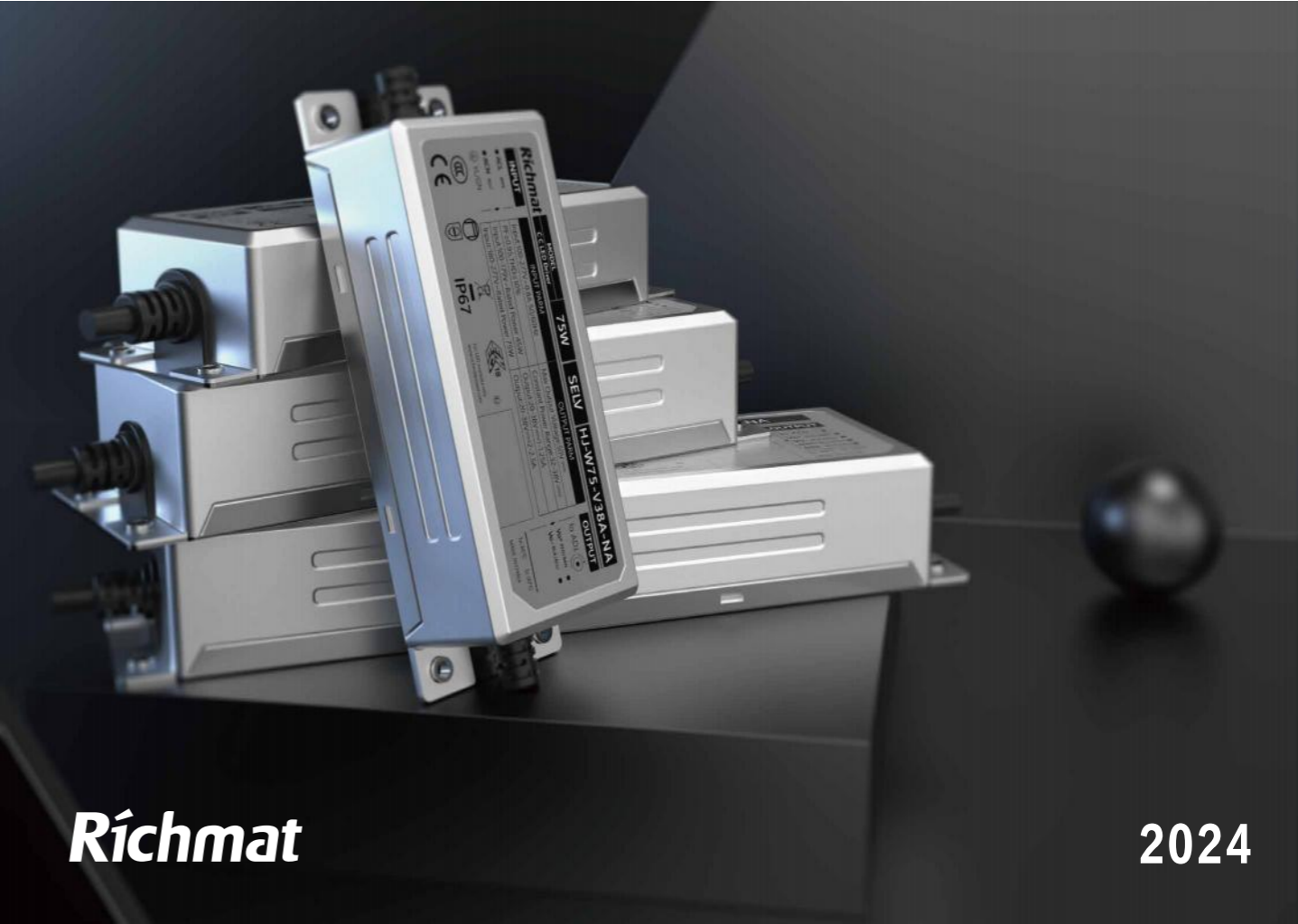
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Richmat

2024

**Richmat[®] helps build your smart, reliable
and high-quality LED products**

Whenever and wherever you choose Richmat’s products as your business partner, we could ensure to bring you a safe and stable product experience.

We are committed to providing cost-effective products for every potential customer, and we carry out quality assurance in full accordance with the quality assurance period specified in the product specification.

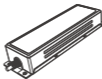
ShenZhen Richmat Power



ShenZhen Richmat Power Technology Co., Ltd is an enterprise integrating independent research and manufacturing, production ang sales,specializing in outdoor LED drive power supplies and supporting products. Its headquarter is located in Shenzhen,Chi-na.



Richmat Power focuses on the field of LED lighting for roads/tunnels/industry/plants/venues/landscapes, has won many national patents, its products sell well all over the world. Richmat is a first-class enterprise in the field in China and has a good reputati-on in the industry.”



Richmat Power is committed to the development of outdoor LED drive power produc-ts, and is equipped with its own mold manufacturing base and power supply produ-ction base. It has R&D centers in Qingdao and Guangdong, and keeps making prog-ress to meet customer needs.



Believe in the power of quality.



Our Strength

● Two R&D centers, over one hundred of R&D engineers

Richmat Power has set up two R&D centers in City of Qingdao and Xiaolan Town, Zhongshan. More than 100 R&D engineers are specialized in the research and development of outdoor LED drive power. It covers a complete set of research and development processes such as product appearance design, structural design, mold design, circuit design, program design, product testing, and safety certification.

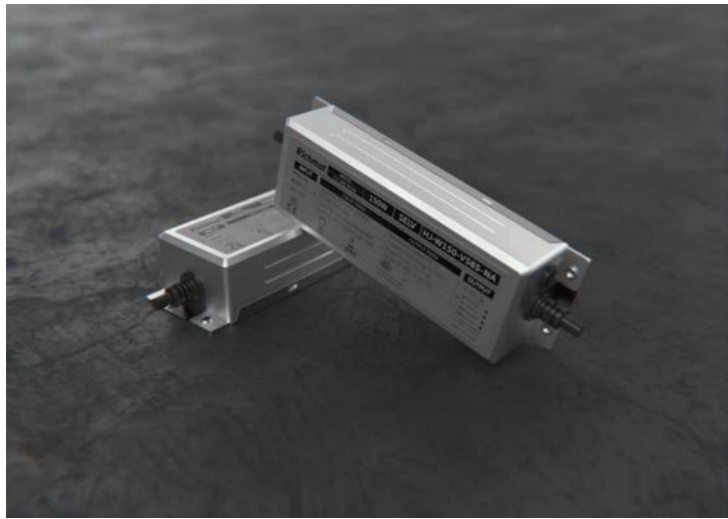
● Our production base covers a complete industrial chain

Richmat power production base currently has production lines for SMT patch, plug-in, assembly, etc. The production base covers an area of 30,000 m², has more than 600 employees, and has established foreign offices in the United States, Germany and other countries. Richmat power supply Division has built business with customers in more than 30 countries and regions around the world.

● Domestic leading laboratory

Richmat power has jointly built a domestic advanced laboratory with Waltek Testing Group Co.,Ltd., covering a series of tests such as safety regulations, conduction and radiation reliability verification, and environment.





Outdoor LED Driver

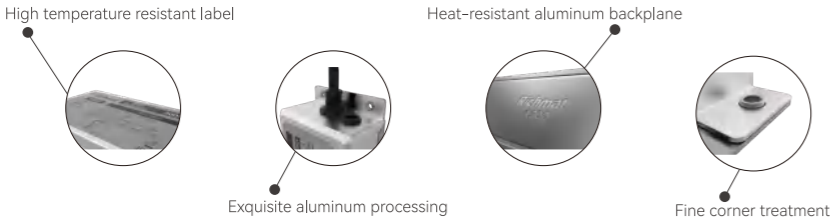
Metal Body Powerful Performance
Multi-purpose outdoor professional lighting solution

IP67

Every Detail Comes From Pursuit

From beginning to end, we put product quality and customer satisfaction as the goal of our product development. Through strong research and development capabilities, harsh testing procedures, strict production standards, scientific production processes, and near-perfect after-sales service, we strive to provide the best products and services.

All products have reached industry-leading quality standards and safety testing, and can be further optimized according to the actual needs of customers.



Model Coding Rules

HJ-W 150 - V58 S - N A

- Casing Code**
- A Rectangular one-piece stamping and forming casing
 - B Rectangular aluminum casing + aluminum alloy end cap
 - C Round die-cast casing
 - D U-shaped rectangular aluminum casing
 - E U-shaped rectangular one-piece stamping casing
 - F Rectangular aluminum casing + plastic end cap
 - J One-piece molded plastic casing
 - Q Round one-piece stamping-formed casing

- Circuit Structure Code**
- N Single stage isolation circuit
 - NP Single stage isolation circuit
 - M Two-stage isolation circuit
 - MP Two-stage isolation circuit
 - MO Two-stage non-isolated circuit

- Dimming Function Code**
- A Adjustable output current (potentiometer)
 - B three-in-one dimming
 - C Dual color temperature adjustable light
 - D DALI dimming
 - E non-dimmable
 - F NFC programming dimming
 - J RJ11/RJ12 interface + dimmer
 - N NB-IOT communication protocol
 - P Programmable Dimming
 - R S485 dimming
 - S Three-in-one dimming + potentiometer
 - T NTC external temperature protection + auxiliary source + dimming
 - U Auxiliary source + three-in-one dimming+ programmable dimming
 - X Auxiliary output + three-in-one dimming+ potentiometer dimming

- Output Voltage/Current Code**
- A Constant voltage output mode
 - V Constant current output mode

- Output Power Code**
- W Power

- Input Voltage Range Code**
- W 100/120-277Vac Wide voltage input
 - H 220-240Vac High voltage input
 - L 100-120Vac Low voltage input
 - X 120-347Vac Super wide voltage input
 - U 220/277-480Vac Super high voltage input

- Company Abbreviation Code**



Leading professional brand in LED outdoor lighting

- Road lighting
- Industrial Lighting
- Sports Lighting
- Plants Lighting
- Landscape Lighting



Features

- Class I structure
- Efficiency 88.0%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 4kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Tunnel Lighting
- LED Street lighting
- LED Floodlighting
- LED Bay Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W50-V38A-NA	100-277Vac	50W	20-38V	1.5A	≥ 87.5%	< 10%	> 0.95	126*41*29mm
HJ-W50-V38S-NA	100-277Vac	50W	20-38V	1.5A	≥ 87.5%	< 10%	> 0.95	126*41*29mm
HJ-W50-V58A-NA	100-277Vac	50W	32-58V	0.9A	≥ 88.0%	< 10%	> 0.95	126*41*29mm
HJ-W50-V58S-NA	100-277Vac	50W	32-58V	0.9A	≥ 88.0%	< 10%	> 0.95	126*41*29mm



Road lighting application

N A series

75W European Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 88.0%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 4kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Tunnel Lighting
- LED Street lighting
- LED Floodlighting
- LED Bay Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W75-V38A-NA	100-277Vac	75W	20-38V	2.4A	≥88.0%	< 10%	> 0.95	143*49*31mm
HJ-W75-V38S-NA	100-277Vac	75W	20-38V	2.4A	≥88.0%	< 10%	> 0.95	143*49*31mm
HJ-W75-V58A-NA	100-277Vac	75W	32-58V	1.8A	≥88.0%	< 10%	> 0.95	143*49*31mm
HJ-W75-V58S-NA	100-277Vac	75W	32-58V	1.8A	≥88.0%	< 10%	> 0.95	143*49*31mm



Road lighting application

N A series

105W European Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 91.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Tunnel Lighting
- LED Street lighting
- LED Floodlighting
- LED Bay Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W105-V38A-NA	100-277Vac	105W	20-38V	3.0A	≥90.5%	< 10%	> 0.97	164*53*31mm
HJ-W105-V38S-NA	100-277Vac	105W	20-38V	3.0A	≥90.5%	< 10%	> 0.97	164*53*31mm
HJ-W105-V58A-NA	100-277Vac	105W	32-58V	2.1A	≥91.5%	< 10%	> 0.97	164*53*31mm
HJ-W105-V58S-NA	100-277Vac	105W	32-58V	2.1A	≥91.5%	< 10%	> 0.97	164*53*31mm



Features

- Class I structure
- Efficiency 91.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Tunnel Lighting
- LED Street lighting
- LED Floodlighting
- LED Bay Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V38A-NA	100-277Vac	150W	20-38V	4.2A	≥ 90.5%	< 10%	> 0.95	186*60*38mm
HJ-W150-V38S-NA	100-277Vac	150W	20-38V	4.2A	≥ 90.5%	< 10%	> 0.95	186*60*38mm
HJ-W150-V58A-NA	100-277Vac	150W	32-58V	3.3A	≥ 91.5%	< 10%	> 0.95	186*60*38mm
HJ-W150-V58S-NA	100-277Vac	150W	32-58V	3.3A	≥ 91.5%	< 10%	> 0.95	186*60*38mm



Features

- Class I structure
- Efficiency 91.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Tunnel Lighting
- LED Street lighting
- LED Floodlighting
- LED Bay Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W200-V38A-NA	100-277Vac	200W	20-38V	6.0A	≥ 90.0%	< 10%	> 0.95	230*67*38mm
HJ-W200-V38S-NA	100-277Vac	200W	20-38V	6.0A	≥ 90.0%	< 10%	> 0.95	230*67*38mm
HJ-W200-V58A-NA	100-277Vac	200W	32-58V	4.2A	≥ 91.5%	< 10%	> 0.95	230*67*38mm
HJ-W200-V58S-NA	100-277Vac	200W	32-58V	4.2A	≥ 91.5%	< 10%	> 0.95	230*67*38mm



Features

- Class I structure
- Efficiency 85.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W30-V56A-MB	120-277Vac	30W	25-56V	1.0A	≥85.5%	< 10%	≥0.95	110*63*32mm
HJ-W30-V56S-MB	120-277Vac	30W	25-56V	1.0A	≥85.5%	< 10%	≥0.95	110*63*32mm



Features

- Class I structure
- Efficiency 89%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



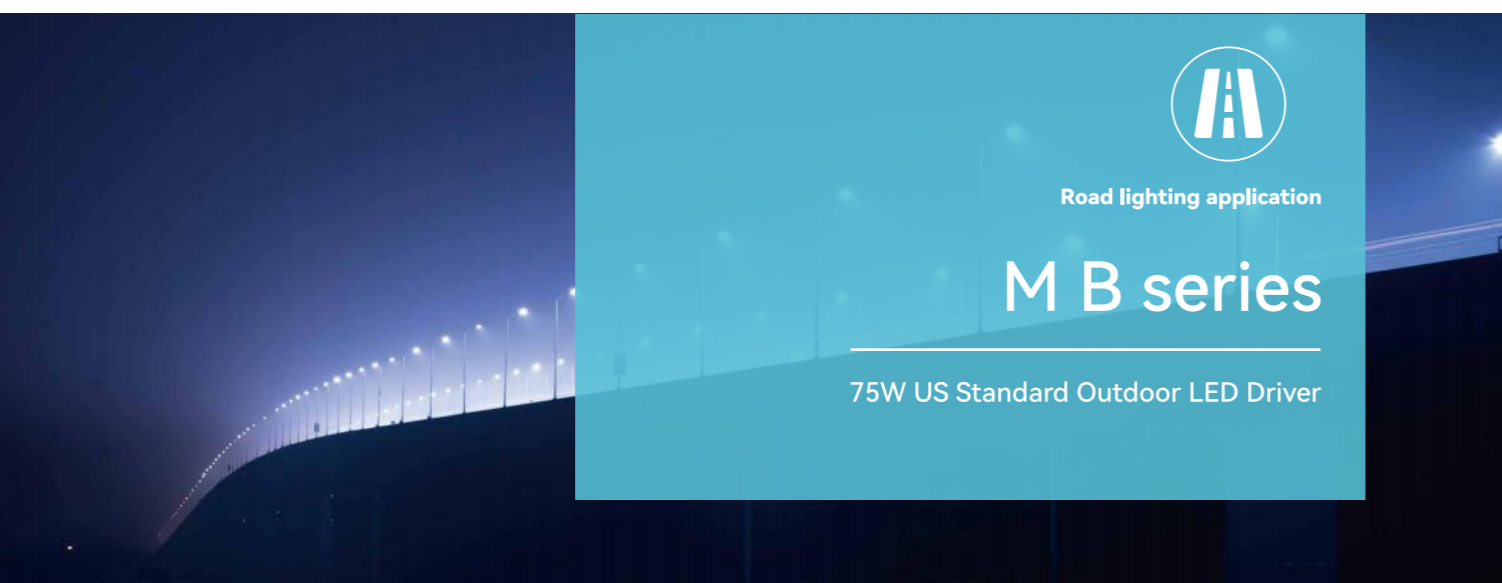
Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



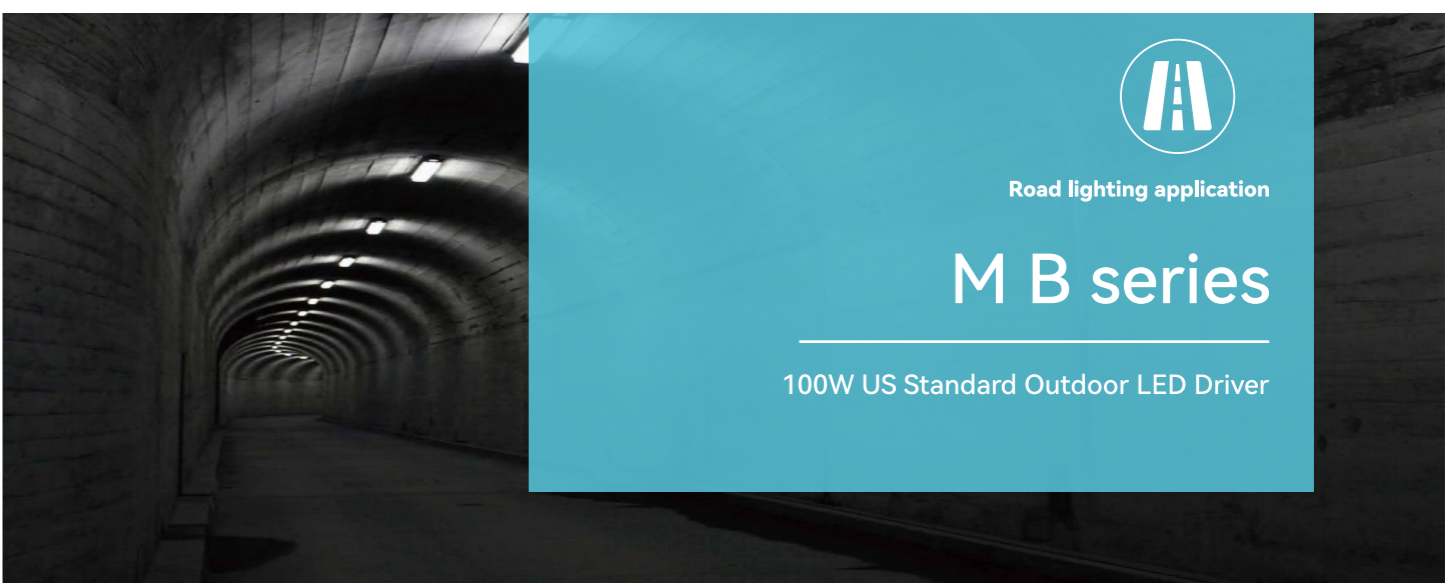
Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W50-V56A-MB	120-277Vac	50W	25-56V	1.5A	≥89%	< 10%	≥0.95	110*63*32mm
HJ-W50-V56S-MB	120-277Vac	50W	25-56V	1.5A	≥89%	< 10%	≥0.95	110*63*32mm
HJ-W50-V56X-MB	120-277Vac	50W	25-56V	1.5A	≥89%	< 10%	≥0.95	110*63*32mm
HJ-W50-V72A-MB	120-277Vac	50W	36-72V	0.7A	≥89%	< 10%	≥0.95	110*63*32mm
HJ-W50-V72S-MB	120-277Vac	50W	36-72V	0.7A	≥89%	< 10%	≥0.95	110*63*32mm
HJ-W50-V72X-MB	120-277Vac	50W	36-72V	0.7A	≥89%	< 10%	≥0.95	110*63*32mm



Road lighting application

M B series

75W US Standard Outdoor LED Driver



Road lighting application

M B series

100W US Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 90%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W75-V56A-MB	120-277Vac	75W	25-56V	1.34A	≥89%	< 10%	≥0.95	138*63*32mm
HJ-W75-V56S-MB	120-277Vac	75W	25-56V	1.34A	≥89%	< 10%	≥0.95	138*63*32mm
HJ-W75-V56X-MB	120-277Vac	75W	25-56V	1.34A	≥89%	< 10%	≥0.95	138*63*32mm
HJ-W75-V108A-MB	120-277Vac	75W	54-108V	0.7A	≥90%	< 10%	≥0.95	138*63*32mm
HJ-W75-V108S-MB	120-277Vac	75W	54-108V	0.7A	≥90%	< 10%	≥0.95	138*63*32mm
HJ-W75-V108X-MB	120-277Vac	75W	54-108V	0.7A	≥90%	< 10%	≥0.95	138*63*32mm

Features

- Class I structure
- Efficiency 91%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W100-V56A-MB	120-277Vac	100W	25-56V	2.4A	≥89.5%	< 10%	≥0.95	153*63*32mm
HJ-W100-V56S-MB	120-277Vac	100W	25-56V	2.4A	≥89.5%	< 10%	≥0.95	153*63*32mm
HJ-W100-V56X-MB	120-277Vac	100W	25-56V	2.4A	≥89.5%	< 10%	≥0.95	153*63*32mm
HJ-W100-V143A-MB	120-277Vac	100W	71-143V	0.7A	≥91%	< 10%	≥0.95	153*63*32mm
HJ-W100-V143S-MB	120-277Vac	100W	71-143V	0.7A	≥91%	< 10%	≥0.95	153*63*32mm
HJ-W100-V143X-MB	120-277Vac	100W	71-143V	0.7A	≥91%	< 10%	≥0.95	153*63*32mm



Road lighting application

M B series

150W US Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 92.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V56A-MB	120-277Vac	150W	25-56V	4.2A	≥ 91.5%	< 10%	≥0.95	186*63*32mm
HJ-W150-V56S-MB	120-277Vac	150W	25-56V	4.2A	≥ 91.5%	< 10%	≥0.95	186*63*32mm
HJ-W150-V56X-MB	120-277Vac	150W	25-56V	4.2A	≥ 91.5%	< 10%	≥0.95	186*63*32mm
HJ-W150-V214A-MB	120-277Vac	150W	95-214V	0.7A	≥ 92.5%	< 10%	≥0.95	186*63*32mm
HJ-W150-V214S-MB	120-277Vac	150W	95-214V	0.7A	≥ 92.5%	< 10%	≥0.95	186*63*32mm
HJ-W150-V214X-MB	120-277Vac	150W	95-214V	0.7A	≥ 92.5%	< 10%	≥0.95	186*63*32mm



Road lighting application

M B series

200W US Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 93.5%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W200-V56A-MB	120-277Vac	200W	25-56V	5.5A	≥92%	< 10%	≥0.95	199*63*37mm
HJ-W200-V56S-MB	120-277Vac	200W	25-56V	5.5A	≥92%	< 10%	≥0.95	199*63*37mm
HJ-W200-V56X-MB	120-277Vac	200W	25-56V	5.5A	≥92%	< 10%	≥0.95	199*63*37mm
HJ-W200-V286A-MB	120-277Vac	200W	143-286V	0.7A	≥93.5%	< 10%	≥0.95	199*63*37mm
HJ-W200-V286S-MB	120-277Vac	200W	143-286V	0.7A	≥93.5%	< 10%	≥0.95	199*63*37mm
HJ-W200-V286X-MB	120-277Vac	200W	143-286V	0.7A	≥93.5%	< 10%	≥0.95	199*63*37mm



Plant Lighting Application

M B series

240W US Standard Outdoor LED Driver

Features

- Class I structure
- Efficiency 94%
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level : difference module 6kV , common mode 15 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentionmeter current regulation)
S version (three-in-one dimming)
X version (12V+three-in-one dimming)



Application field

- LED Street lighting
- LED Sports Lighting
- LED Plant Grows Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W240-V56A-MB	120-277Vac	240W	25-56V	5.0A	≥93%	< 10%	≥0.95	214*63*37mm
HJ-W240-V56S-MB	120-277Vac	240W	25-56V	5.0A	≥93%	< 10%	≥0.95	214*63*37mm
HJ-W240-V56X-MB	120-277Vac	240W	25-56V	5.0A	≥93%	< 10%	≥0.95	214*63*37mm
HJ-W240-V343A-MB	120-277Vac	240W	171-343V	0.7A	≥94%	< 10%	≥0.95	214*63*37mm
HJ-W240-V343S-MB	120-277Vac	240W	171-343V	0.7A	≥94%	< 10%	≥0.95	214*63*37mm
HJ-W240-V343X-MB	120-277Vac	240W	171-343V	0.7A	≥94%	< 10%	≥0.95	214*63*37mm



Industrial Lighting Applications

M O C series

80W Industrial And Mining LED Lamp Driver

Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

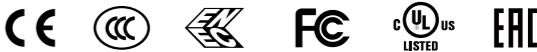
A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W80-V266A-MOC	120-277Vac	80W	180-266V	0.4A	≥95.0%	< 10%	≥0.97	128*62.5mm
HJ-W80-V266S-MOC	120-277Vac	80W	180-266V	0.4A	≥95.0%	< 10%	≥0.97	128*62.5mm
HJ-W80-V266X-MOC	120-277Vac	80W	180-266V	0.4A	≥95.0%	< 10%	≥0.97	128*62.5mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W120-V266A-MOC	120-277Vac	120W	180-266V	0.5A	≥95.0%	<10%	≥0.97	128*62.5mm
HJ-W120-V266S-MOC	120-277Vac	120W	180-266V	0.5A	≥95.0%	<10%	≥0.97	128*62.5mm
HJ-W120-V266X-MOC	120-277Vac	120W	180-266V	0.5A	≥95.0%	<10%	≥0.97	128*62.5mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V266A-MOC	120-277Vac	150W	180-266V	0.75A	≥95.0%	<10%	≥0.97	128*62.5mm
HJ-W150-V266S-MOC	120-277Vac	150W	180-260V	0.75A	≥95.0%	<10%	≥0.97	128*62.5mm
HJ-W150-V266X-MOC	120-277Vac	150W	180-260V	0.75A	≥95.0%	<10%	≥0.97	128*62.5mm



Features

- Class I structure
- Efficiency 96 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W200-V266A-MOC	120-277Vac	200W	180-266V	1.0A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm
HJ-W200-V266S-MOC	120-277Vac	200W	180-266V	1.0A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm
HJ-W200-V266X-MOC	120-277Vac	200W	180-266V	1.0A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm



Features

- Class I structure
- Efficiency 96 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W240-V266A-MOC	120-277Vac	240W	180-266V	1.2A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm
HJ-W240-V266S-MOC	120-277Vac	240W	180-266V	1.2A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm
HJ-W240-V266X-MOC	120-277Vac	240W	180-266V	1.2A	≥ 96.0%	< 10%	≥ 0.97	128*62.5mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W100-V266A-MOQ	120-277Vac	100W	180-266V	0.5A	94.5%	< 8%	≥0.95	128*58.5mm
HJ-W100-V266S-MOQ	120-277Vac	100W	180-266V	0.5A	94.5%	< 8%	≥0.95	128*58.5mm
HJ-W100-V266X-MOQ	120-277Vac	100W	180-266V	0.5A	94.5%	< 8%	≥0.95	128*58.5mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP65 protection level
- Lightning protection level : difference module 6kV , common mode 6 kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V266A-MOQ	120-277Vac	150W	180-266V	0.75A	95.0%	< 8%	≥0.95	128*58.5mm
HJ-W150-V266S-MOQ	120-277Vac	150W	180-266V	0.75A	95.0%	< 8%	≥0.95	128*58.5mm
HJ-W150-V266X-MOQ	120-277Vac	150W	180-266V	0.75A	95.0%	< 8%	≥0.95	128*58.5mm



Features

- Class I structure
- Efficiency 94 %
- Constant power drive, Constant voltage output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 4kV, common mode 6kV(standard)
difference module 6kV, common mode 20kV(optional)
- Long life design, 5 years warranty

Application field

- LED Landscape lighting
- LED Advertising Lighting
- LED Exhibition Lighting
- LED Stage Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-H300-A24E-MPB	200-277Vac	300W	24V	12.5A	94.0%	< 5%	≥0.97	217*63*37mm



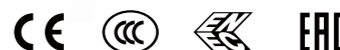
Features

- Class I structure
- Efficiency 94 %
- Constant power drive, Constant voltage output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 4kV, common mode 6kV(standard)
difference module 6kV, common mode 20kV(optional)
- Long life design, 5 years warranty

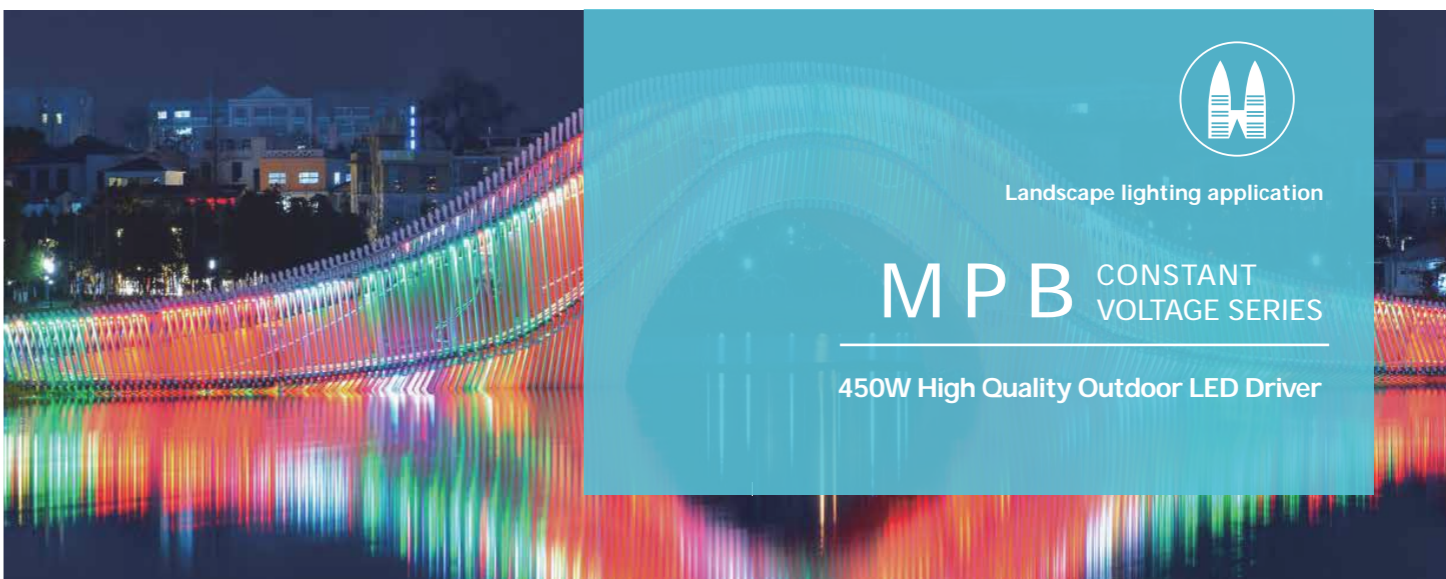
Application field

- LED Landscape lighting
- LED Advertising Lighting
- LED Exhibition Lighting
- LED Stage Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-H350-A24E-MPB	200-277Vac	350W	24V	14.58A	94.0%	< 5%	≥0.97	227*63*37mm



Features

- Class I structure
- Efficiency 94 %
- Constant power drive, Constant voltage output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 4kV, common mode 6kV(standard)
difference module 6kV, common mode 20kV(optional)
- Long life design, 5 years warranty

Application field

- LED Landscape lighting
- LED Advertising Lighting
- LED Exhibition Lighting
- LED Stage Lighting



Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-H400-A24E-MPB	200-277Vac	400W	24V	16.66A	94.0%	< 5%	≥0.97	237*71*42mm

Features

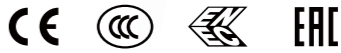
- Class I structure
- Efficiency 94 %
- Constant power drive, Constant voltage output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 4kV, common mode 6kV(standard)
difference module 6kV, common mode 20kV(optional)
- Long life design, 5 years warranty

Application field

- LED Landscape lighting
- LED Advertising Lighting
- LED Exhibition Lighting
- LED Stage Lighting



Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-H450-A24E-MPB	200-277Vac	450W	24V	18.75A	94.0%	< 5%	≥0.97	247* 71*42mm



Features

- Class I structure
- Efficiency 92 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 6kV, common mode 20kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
X version (12V auxiliary output)

Application field

- LED Street lighting
- LED Sports Lighting
- LED Industrial Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W100-V56A-MPB	120-277Vac	100W	25-56V	1.8A	91.0%	< 5%	≥0.97	153*63*32mm
HJ-W100-V56X-MPB	120-277Vac	100W	25-56V	1.8A	91.0%	< 5%	≥0.97	153*63*32mm
HJ-W100-V143A-MPB	120-277Vac	100W	71-143V	0.7A	91.0%	< 5%	≥0.97	153*63*32mm
HJ-W100-V143X-MPB	120-277Vac	100W	71-143V	0.7A	91.0%	< 5%	≥0.97	153*63*32mm



Features

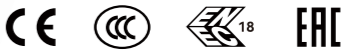
- Class I structure
- Efficiency 92.5 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 6kV, common mode 20kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
X version (12V auxiliary output)

Application field

- LED Street lighting
- LED Sports Lighting
- LED Industrial Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V56A-MPB	120-277Vac	150W	25-56V	2.67A	91.5%	< 5%	≥0.97	186*63*32mm
HJ-W150-V56X-MPB	120-277Vac	150W	25-56V	2.67A	91.5%	< 5%	≥0.97	186*63*32mm
HJ-W150-V214A-MPB	120-277Vac	150W	95-214V	0.7A	92.5%	< 5%	≥0.97	186*63*32mm
HJ-W150-V214X-MPB	120-277Vac	150W	95-214V	0.7A	92.5%	< 5%	≥0.97	186*63*32mm



Features

- Class I structure
- Efficiency 93 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 6kV, common mode 20kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
X version (12V auxiliary output)

Application field

- LED Street lighting
- LED Sports Lighting
- LED Industrial Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting



Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W200-V56A-MPB	120-277Vac	200W	25-56V	3.57A	92.0%	< 5%	≥0.97	199*63*37mm
HJ-W200-V56X-MPB	120-277Vac	200W	25-56V	3.57A	92.0%	< 5%	≥0.97	199*63*37mm
HJ-W200-V286A-MPB	120-277Vac	200W	143-286V	0.7A	93.0%	< 5%	≥0.97	199*63*37mm
HJ-W200-V286X-MPB	120-277Vac	200W	143-286V	0.7A	93.0%	< 5%	≥0.97	199*63*37mm



Features

- Class I structure
- Efficiency 94.5 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 6kV, common mode 20kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
X version (12V auxiliary output)

Application field

- LED Street lighting
- LED Sports Lighting
- LED Industrial Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting



Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W240-V56A-MPB	120-277Vac	240W	25-56V	5.0A	93.0%	< 5%	≥0.97	217*63*37mm
HJ-W240-V56X-MPB	120-277Vac	240W	25-56V	5.0A	93.0%	< 5%	≥0.97	217*63*37mm
HJ-W240-V343A-MPB	120-277Vac	240W	171-343V	0.7A	94.5%	< 5%	≥0.97	217*63*37mm
HJ-W240-V343X-MPB	120-277Vac	240W	171-343V	0.7A	94.5%	< 5%	≥0.97	217*63*37mm



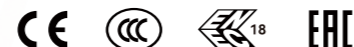
Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP67 protection level
- Lightning protection level :
difference module 6kV, common mode 20kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
X version (12V auxiliary output)



Safety certification



Application field

- LED Street lighting
- LED Sports Lighting
- LED Industrial Lighting
- LED fish aggregating Light
- LED Plant Grows Lighting

Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W320-V56A-MPB	120-277Vac	320W	25-56V	6.6A	94.0%	< 3%	≥0.97	237*71*42mm
HJ-W320-V56X-MPB	120-277Vac	320W	25-56V	6.6A	94.0%	< 3%	≥0.97	237*71*42mm
HJ-W320-V457A-MPB	120-277Vac	320W	228-457V	0.7A	95.0%	< 3%	≥0.97	237*71*42mm
HJ-W320-V457X-MPB	120-277Vac	320W	228-457V	0.7A	95.0%	< 3%	≥0.97	237*71*42mm



Features

- Class I structure
- Efficiency 94 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Safety certification



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W60-V266A-MOF	120-277Vac	60W	180-266V	0.3A	94.0%	< 8%	≥0.97	100*43.5*26mm
HJ-W60-V266S-MOF	120-277Vac	60W	180-266V	0.3A	94.0%	< 8%	≥0.97	100*43.5*26mm
HJ-W60-V266X-MOF	120-277Vac	60W	180-266V	0.3A	94.0%	< 8%	≥0.97	100*43.5*26mm



Features

- Class I structure
- Efficiency 94 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

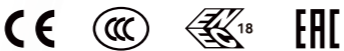
A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W80-V266A-MOF	120-277Vac	80W	180-266V	0.4A	94%	< 8%	≥0.97	120*43.5*26mm
HJ-W80-V266S-MOF	120-277Vac	80W	180-266V	0.4A	94%	< 8%	≥0.97	120*43.5*26mm
HJ-W80-V266A-MOF	120-277Vac	80W	180-266V	0.4A	94%	< 8%	≥0.97	120*43.5*26mm

Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W100-V266A-MPB	120-277Vac	100W	180-266V	0.5A	95.0%	< 8%	≥0.97	120*43.5*26mm
HJ-W100-V266X-MPB	120-277Vac	100W	180-266V	0.5A	95.0%	< 8%	≥0.97	120*43.5*26mm
HJ-W100-V266S-MPB	120-277Vac	100W	180-266V	0.5A	95.0%	< 8%	≥0.97	120*43.5*26mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W150-V266A-MPB	120-277Vac	150W	180-266V	0.75A	95%	< 8%	≥0.97	150*43.5*26mm
HJ-W150-V266X-MPB	120-277Vac	150W	180-266V	0.75A	95%	< 8%	≥0.97	150*43.5*26mm
HJ-W150-V266S-MPB	120-277Vac	150W	180-266V	0.75A	95%	< 8%	≥0.97	150*43.5*26mm



Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

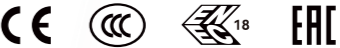
A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W200-V266A-MPB	120-277Vac	200W	180-266V	1.0A	95.0%	< 8%	≥0.97	210*43.5*32.4mm
HJ-W200-V266X-MPB	120-277Vac	200W	180-266V	1.0A	95.0%	< 8%	≥0.97	210*43.5*32.4mm
HJ-W200-V266S-MPB	120-277Vac	200W	180-266V	1.0A	95.0%	< 8%	≥0.97	210*43.5*32.4mm



Oil station lighting applications

M O F series

240W High Quality Outdoor LED Driver



Oil station lighting applications

M O F series

320W High Quality Outdoor LED Driver

Features

- Class I structure
- Efficiency 95 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W240-V266A-MPB	120-277Vac	240W	180-266V	1.2A	95.0%	< 8%	≥0.97	210*43.5*32.4mm
HJ-W240-V266X-MPB	120-277Vac	240W	180-266V	1.2A	95.0%	< 8%	≥0.97	210*43.5*32.4mm
HJ-W240-V266S-MPB	120-277Vac	240W	180-266V	1.2A	95.0%	< 8%	≥0.97	210*43.5*32.4mm

Features

- Class I structure
- Efficiency 96 %
- Constant power drive, Constant current output control mode
- Comprehensive protection: short circuit/over temperature/over voltage/over power
- Metal clad structure, IP54 protection level
- Lightning protection level :
difference module 6kV, common mode 10kV
- Output current can be adjusted Externally
- Long life design, 5 years warranty

A version (potentiometer current regulation)
S version (three-in-one dimming)
X version (12V auxiliary output)



Application field

- LED Industrial lighting
- LED High Bay Lighting
- LED Oil Station Lighting

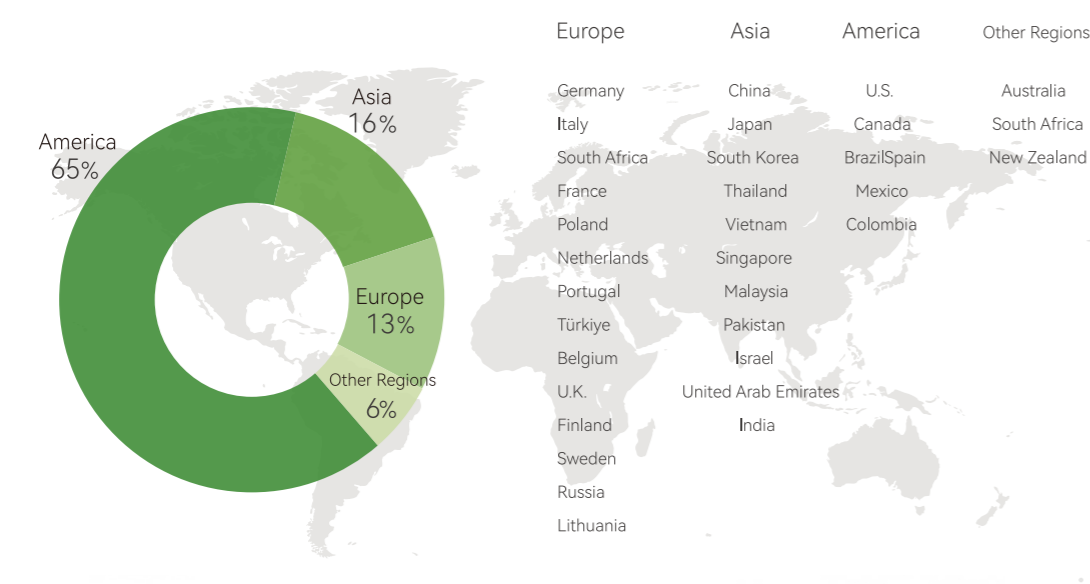
Safety certification



Model	AC Input	Maximum power	output voltage	output current	Efficiency	T.H.D	PF	Size
HJ-W320-V266A-MPB	120-277Vac	320W	180-266V	1.6A	96.0%	< 8%	≥0.97	260*43.5*32.4mm
HJ-W320-V266X-MPB	120-277Vac	320W	180-266V	1.6A	96.0%	< 8%	≥0.97	260*43.5*32.4mm
HJ-W320-V266S-MPB	120-277Vac	320W	180-266V	1.6A	96.0%	< 8%	≥0.97	260*43.5*32.4mm

Richmat LED Driver

Global sales network



Qualification and Certification System

Quality Control | Copyright Control | Trademark Patent | Qualification Certification



Abundant Production Capacity Short Lead Time

Richmat has strong industrial manufacturing and shipping capabilities. At present, Richmat can realize the annual production and sales of millions of LED Drivers, and can meet all requirements of customers.

Single-year production **2,000,000**

Single-day production **5,000**

Quality Assurance **5 Years Warranty**

