

Watran



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Watran

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Watran

佛山市华全电气照明有限公司
FOSHAN HUAQUAN ELECTRICAL LIGHTING CO.,LTD

LED 驱动电源 DRIVERS

驱动电源产品和解决方案供应商
Driver And Solutions Provider



- 恒流电源
CONSTANT CURRENT LED DRIVERS
- 恒压电源
CONSTANT VOLTAGE LED DRIVERS
- DMX512调光电源
DMX512 DIMMING CONTROL LED DRIVERS
- 控制装置
CONTROL DEVICE



版本号/VERSION NUMBER: SCN23-01

先进的生产设备/Advanced production equipment

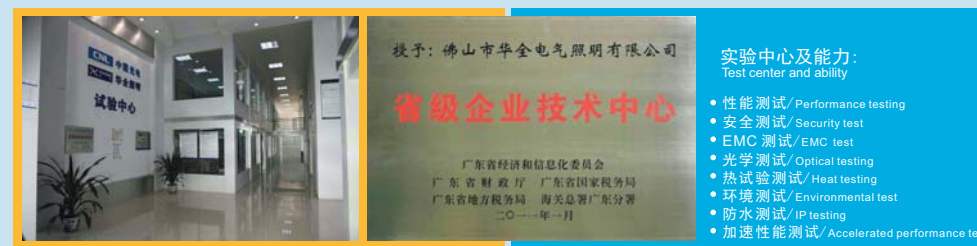
10万级环境保护贴片车间;自动波峰焊设备;智能自动测试设备;在线监控高温老化设备
100 thousand grade environmental protection SMT workshop ;Automatic wave soldering equipment ;Intelligent automatic test equipment; On-line monitoring high temperature aging equipment



华全实验中心及能力/Test center and ability

UL授权实验室 / Nemko授权ENEC实验室 / 广东省级企业技术中心 / 中国国家船级社照明授权实验室

UL authorized laboratory / NEMKO authorized standard laboratory / Guangdong provincial enterprise technology center / China National classification society lighting authorization Laboratory



新能源技术研究中心/华全技术研发中心/
中山大学佛山研究院产业化生产基地/
省级企业技术中心/华全试验中心.

New energy technology research center ; Huaquan R & D center ;
Industrial production base of Foshan Research Institute of Zhongshan University;
Provincial enterprise technology; Huaquan Test Center.



美国UL授权实验室
America UL Accredited Laboratory



欧洲ENEC授权实验室
Europe ENEC Accredited Laboratory



中国CNAS认可实验室
China CNAS Accredited Laboratory

公司介绍 Company Profile



公司概况及规模

佛山市华全电气照明有限公司，创办于1986年，工厂位于广东省佛山市西樵西岸工业区，占地面积约130亩，厂房面积3 万平方米，是一家专门致力于LED驱动电源等照明控制装置研发、制造的国家高新技术企业。

公司制造及品质控制能力

主要设备均采用德国、日本、韩国等国外先进设备，管理实施ISO9001质量管理体系和ISO14001环境管理体系。在整个制造过程中全面运用ERP系统和SPC在线品质自动监控系统，配合六西格玛方法进行实时监控保证产品出厂质量。与多家国际一流照明品牌企业至今已有多年的OEM合作经验。

公司技术研发能力

拥有由数十位电子工程师组成的专业技术研发中心。获得了100多项产品专利技术，其中有20项发明专利。广东省省级企业技术中心企业、中国照明电器行业的国家标准及行业标准主编、参与制定单位。公司制定的多项产品技术规范已被国家照明电器标准采用。

获得美国UL授权认证认可及欧盟NEMKO授权ENEC认证认可的标准实验室。并与多家国际知名照明品牌企业长期合作，为其产品按国际技术标准进行相关项目测试和提供详尽的试验报告。

产品获得德国TUV、VDE认证；美国UL认证；欧盟ENEC、CE认证；加拿大CUL认证；中国CCC、CCC认证。
其中 1. LED光源 获得 美国ETL授权标志 ETL authorization to mark ;
2. LED电源获得澳洲 SAA 认证 ;

公司营销网络

在中国设有25个销售服务机构，完全覆盖全国市场。在美国、加拿大、德国、香港、台湾、阿拉伯联合酋长国等地区拥有20多个国际分销商。

公司发展远景

以国际前沿技术为目标，不断进行自主创新。
贯彻环保、节能、安全理念。为全球用户提供完善的产品方案、产品和服务！追求可持续发展、永续经营的远景！

Description and scale of huaquan

Foshan Huaquan Electrical Lighting Co., Ltd. founded in 1986, is located in Xi'an Industrial zone, Xiqiao Town, Foshan City, Guangdong Province, China, covers an area of 30000 square meters, is committed to LED driver and other lighting control device research and development manufacture which is the national high and new technology enterprise.

Manufacturing and quality control capabilities of huaquan:

The main equipment are all made of Germany, Japan, South Korea and other foreign advanced equipment, management implementation of ISO9001 quality management system and ISO14001 environmental management system.

In the whole manufacturing process of use ERP system and SPC online quality automatic monitoring system, with six sigma method for real-time monitoring, to ensure product quality

And have been more than 20 years of experience OEM cooperation with many international first-class lighting enterprise.

Technical R&D capabilities of Huaquan

Huaquan has a professional and technical R & D center with with dozens of electronic engineers, achieved more than 100 patented technologies in Including 20 invention patents. We are a member of the national and industry drafting committee of China's illumination electrical industry and have been granted the honors of "Guangdong Provincial Enterprise Technology Center", a number of technical specifications for products which developed by Huaquan have adopted as China, illumination standard.

Huaquan has a UL authorized and NEMKO authorized standard laboratory. Huanquan has been cooperating with many world-renowned lighting companies for a long time, performing relevant testing and Providing detailed test reports for their products according to international technical standards.

The certifications obtained by Huaquan products include the German TUV, VDE certifications; USA UL Certification; EU ENEC, CE certifications; Canada CUL Certification; China CCC, CQC certifications.

Special certification:

1. Huaquan LED source: Authorized by USA ETL authorization to mark;
2. Huaquan LED driver: Certificated by Austliia SAA;

Sales network of Huaquan

There are 25 branches in China, completely covering the national market. More than 20 international distributors of Huaquan in USA, Canada, Germany, Hong Kong, Taiwan, The United Arab Emirates and other regions.

Vision of the development of the company

Huanquan persists on constant innovation and targets at international advanced technology. We commit to the concept of high reliable, safety, energy saving, environmental friendly. We provide complete lighting solutions, products and services to users around the world. And we pursue for sustainable development and permanent operation.

公司荣誉 Honors

- 高新技术企业，省级企业技术中心
- 拥有100多项国家产品专利
- 主持或参与制定60多项国家照明标准
- 全国照明电器标准化技术委员会委员单位
- 美国UL授权实验室，欧洲NEMKO授权实验室
- High-tech enterprise, provincial enterprise technology center
- It has more than 100 national product patents
- Presided over or participated in the formulation of more than 60 national lighting standards
- Member unit of National Technical Committee on Lighting Electrical Appliances of Standardization Administration
- United States UL authorized laboratory, European NEMKO authorized laboratory

证书Certificate



高新技术企业证书
Hi-tech enterprise confirmation certificate



荣誉证书
Company's Certificate



荣誉证书
Company's Certificate



“安全生产标准化三级企业”
Work safety standardization certificate



高新技术企业产品“高效节能
LED驱动电源”
product's Certificate



国家标准起草单位证书
National Drafting Committee of
China's Illumination Standard



“防雷击驱动控制电路的
发明专利”
Core Patent
A Perfect Solution for Anti-Lightening
LED Street Light.



“CCC认证”证书
CCC Certificate



“UL认证”证书
UL Certificate



“CE”证书
CE Certificate



“ENEC”证书
ENEC certification and Accreditation
Laboratory authorized by NEMKO

户外恒流电源 OUTDOOR CONSTANT CURRENT LED DRIVERS

AOC G4	户外可调电流电源 ADJUSTABLE CURRENT LED DRIVERS	01
AOC-DIM G4	可调电流/0-10V调光电源 Adjustable Current / 1-10V Dimming Power Supply	02
AOC G3	可调电流电源 ADJUSTABLE CURRENT LED DRIVERS	03
AOC-DIM G3	可调电流/1-10V调光/定时调光电源 ADJUSTABLE CURRENT LED DRIVER WITH 1-10V DIMMING CONTROL	04
AOC-DIM	可调电流/1-10V调光/定时调光电源 (UL) ADJUSTABLE CURRENT LED DRIVER WITH 1-10V DIMMING CONTROL(UL)	05
OCC	户外恒流电源 OUTDOOR CONSTANT CURRENT LED DRIVERS	06
OCC/OCC-DIM	大功率恒流电源 (非调光/可调光) HIGH POWER LED DRIVER (NON-DIM/DIMMABLE)	07
AOC-DIM大功率	可调电流/0-10V调光 ADJUSTABLE CURRENT/0-10V DIMMABLE	08
PLC	PLC电力载波通讯电源 POWER LINE COMMUNICATION LED DRIVERS	09
OCC	单路恒流电源 (塑壳) SINGLE CHANNEL OUTPUT CONSTANT CURRENT LED DRIVERS (Plastic case)	10

室内恒流电源 INDOOR CONSTANT CURRENT LED DRIVERS

ICC	恒流电源 (低纹波) CONSTANT CURRENT LED DRIVERS (Low Ripple Current)	11
ICC-DIM / ICC-DALI	1-10V / DALI恒流调光电源 (低纹波) 1-10V DIMMING OR DALI DIMMING CONTROL LED DRIVERS (LOW RIPPLE CURRENT)	12

户外恒压电源 OUTDOOR CONSTANT VOLTAGE LED DRIVERS

OCV	恒压电源 (CCC/CE) CONSTANT VOLTAGE LED DRIVERS (CCC/CE)	13-14
	恒压电源 (UL) CONSTANT VOLTAGE LED DRIVERS (UL)	15
OCV-DIM	0/1-10V恒压调光电源 0/1-10V DIMMING CONTROL CONSTANT VOLTAGE LED DRIVERS	16

室内恒压电源 INDOOR CONSTANT VOLTAGE LED DRIVERS

ICV	恒压电源 CONSTANT VOLTAGE LED DRIVERS	17
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DMX512调光电源 DMX512 DIMMING CONTROL LED DRIVERS

AC-DMX	AC输入DMX512调光电源 AC INPUT DMX512 DIMMING CONTROLLED DRIVERS	18
DC-DMX	DC输入DMX512调光电源 DC INPUT DMX512 DIMMING CONTROL LED DRIVERS	19

控制装置 CONTROL DEVICE

控制装置 CONTROL DEVICE	DALI调光控制装置 DALI DIMMING CONTROL DEVICE.	20
	调光信号转换器 100-277VAC Dimming signal converter	
	调光信号转换器 180-400VAC Dimming signal converter	

型号代码规则 CODING RULES		21
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AOC G4 系列

户外可调电流电源
ADJUSTABLE CURRENT LED DRIVERS

100~277VAC 30~240W 铝壳(Aluminum case) IP67

产品特点 / Product Feature

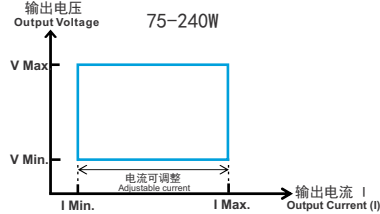
- ▶ 100~277VAC宽电压输入, 主动式功率因数校正。
- ▶ 通过侧盖电位器可调整输出电流, 电流调整简单、方便。
- ▶ 全系列低纹波输出, 仅5%纹波电流。
- ▶ IP67防水设计, 适合户外和室内独立安装应用。
- ▶ 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
- ▶ 防雷保护: 线对线(L-N) 6KV, 线对地(L-G, N-G) 6KV。
- ▶ 适用于 LED路灯、隧道灯等工程照明灯具使用。

- ▶ Wide input voltage 100-277VAC, with active power factor correction.
- ▶ Output current can be adjusted through the potentiometer, easy and convenient to adjust the current.
- ▶ Lower ripple design for whole series, only 5% ripple current.
- ▶ IP67 waterproof design, suitable for outdoor and indoor independent installation application.
- ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
- ▶ Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
- ▶ Suitable for LED street lighting, tunnel lighting, etc.

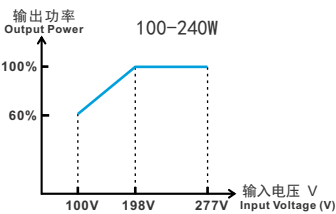
执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/ Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547

输出功率曲线图/Output power curve



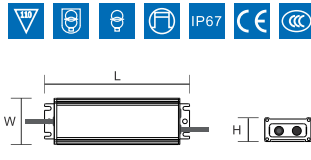
U-I 曲线图 / U-I Curve
具体参数请参详各规格书



P-Uin 曲线图 / P-Uin Curve
具体参数请参详各规格书



功率范围 Power	30~240W
抗浪涌/Anti Surge	6KV
外壳材质/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	精度 Tolerance	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
30W	HQLPC30/221/350/D20E2-G4 HQLPC30/221/700/D20E2-G4	220~240VAC	51-85V 25-42V	350mA 700mA	±5%	≥0.95	85%	103x52.5x32.2	CCC CE	-
50W	HQLPC50/221/800/D20E2-G4 HQLPC50/221/1600/D20E2-G4	220~240VAC	30-55V 22-42V	800mA 1600mA	±5%	≥0.95	85%	103x52.5x32.2	CCC CE	-
60W	HQLPC60/221/1050/D19E2-G4 HQLPC60/221/1600/D19E2-G4 HQLPC60/221/2100/D19E2-G4	220~240VAC	34-57V 22-38V 16-28V	1050mA 1600mA 2100mA	±5%	≥0.95	86%	120x60x34	CCC CE	-
75W	HQLPC75/221/1700A/D19E2-G4 HQLPC75/221/1500A/D19E2-G4 HQLPC75/221/2500A/D19E2-G4	220~240VAC	64-107V 30-50V 18-30V	420-700mA 900-1500mA 1500-2500mA	±5%	≥0.95	87%	120x60x34	CCC CE	-
100W	HQLPC100/123/1050A/D19E1-G4 HQLPC100/123/1850A/D19E1-G4 HQLPC100/123/2700A/D19E1-G4	100~277VAC	57-95V 32-54V 30-37V	630-1050mA 1110-1850mA 1620-2700mA	±5%	≥0.95	88%	152x60x34	CCC CE	-
150W	HQLPC150/123/1050A/D19E1-G4 HQLPC150/123/2800A/D19E1-G4 HQLPC150/123/4050A/D19E1-G4	100~277VAC	85-142V 32-54V 30-37V	630-1050mA 1680-2800mA 2430-4050mA	±5%	≥0.95	89% 89% 88%	180x60x34	CCC CE	-
200W	HQLPC200/123/1400A/D4E1-G4 HQLPC200/123/3700A/D4E1-G4 HQLPC200/123/5400A/D4E1-G4	100~277VAC	85-142V 32-54V 30-37V	840-1400mA 2220-3700mA 3240-5400mA	±5%	≥0.95	90% 89% 89%	200x63x38	CCC CE	-
240W	HQLPC240/123/700A/D4E1-G4 HQLPC240/123/1050A/D4E1-G4 HQLPC240/123/2100A/D4E1-G4 HQLPC240/123/4450A/D4E1-G4 HQLPC240/123/8450A/D4E1-G4	100~277VAC	205-342V 136-228V 68-114V 32-54V 30-37V	420-700mA 630-1050mA 1260-2100mA 2670-4450mA 4800-8000mA	±5%	≥0.95	91% 91% 90% 90%	221x63x38	CCC CE	-

注: 输出电压电流可根据客户需求调整。 Note: Output voltage and current can be adjusted according to customer requirement.

AOC-DIM G4 系列

可调电流/0~10V调光电源
Adjustable Current / 1-10V Dimming/Power Supply

100~277VAC 30~240W IP67

产品特点 / Product Feature

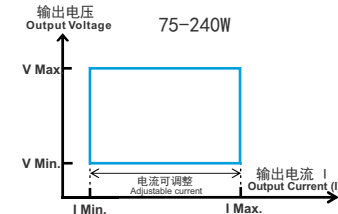
- ▶ 100~277VAC宽电压输入, 主动式功率因数校正。
- ▶ 通过侧盖电位器可调整输出电流, 电流调整简单、方便。
- ▶ 支持0-10V/PWM调光功能, 输出可关断。
- ▶ 全系列低纹波输出, 仅5%纹波电流。
- ▶ IP67防水设计, 适合户外和室内独立安装应用。
- ▶ 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
- ▶ 防雷保护: 线对线(L-N) 6KV, 线对地(L-G, N-G) 6KV。
- ▶ 适用于 LED路灯、隧道灯等工程照明灯具使用。

- ▶ Wide input voltage 100-277VAC, efficiency is up to 90% with active power factor correction.
- ▶ Can set the specified current before delivery.
- ▶ With 0-10V/PWM dimming function, can be dim off.
- ▶ Lower ripple design for whole series, only 5% ripple current.
- ▶ IP67 waterproof design, suitable for outdoor and indoor independent installation application.
- ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
- ▶ Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
- ▶ Suitable for LED street lighting, tunnel lighting, etc.

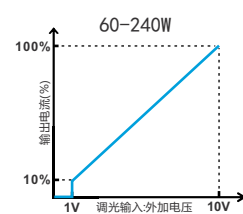
执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/ Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15

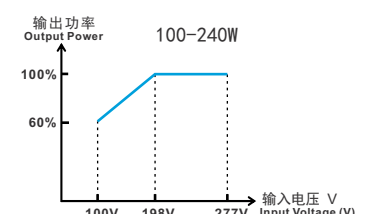
输出功率曲线图/Output power curve



U-I 曲线图 / U-I Curve 具体参数请参详各规格书



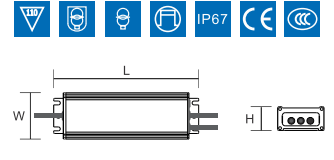
调光曲线图 / Dimming Curve



P-Uin 曲线图 / P-Uin Curve 具体参数请参详各规格书



功率范围 Power	30~240W
抗浪涌/Anti Surge	6KV
外壳材质/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	精度 Tolerance	调光范围 Dimming Range	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
30W	HQLPC30/221/350/PD20E2-G4 HQLPC30/221/700/PD20E2-G4	220~240VAC	51-85V 25-42V	350mA 700mA	±5%	10~100%	≥0.95	85%	103x52.5x32.2	CCC CE	-
50W	HQLPC50/221/800/PD20E2-G4 HQLPC50/221/1600/PD20E2-G4	220~240VAC	30-55V 22-42V	800mA 1600mA	±5%	10~100%	≥0.95	85%	103x52.5x32.2	CCC CE	2740826087 2740826089
60W	HQLPC60/221/1050/PD19E2-G4 HQLPC60/221/1600/PD19E2-G4 HQLPC60/221/2100/PD19E2-G4	220~240VAC	34-57V 22-38V 16-28V	1050mA 1600mA 2100mA	±5%	10~100% dim to off	≥0.95	86%	120x60x34	CCC CE	-
75W	HQLPC75/221/1700A/PD19E2-G4 HQLPC75/221/1500A/PD19E2-G4 HQLPC75/221/2500A/PD19E2-G4	220~240VAC	64-107V 30-50V 18-30V	420-700mA 900-1500mA 1500-2500mA	±5%	10~100% dim to off	≥0.95	87%	120x60x34	CCC CE	-
100W	HQLPC100/123/1050A/PD19E1-G4 HQLPC100/123/1850A/PD19E1-G4 HQLPC100/123/2700A/PD19E1-G4	100~277VAC	57-95V 32-54V 30-37V	630-1050mA 1110-1850mA 1620-2700mA	±5%	10~100% dim to off	≥0.95	88%	152x60x34	CCC CE	2740727085 2740727086 2740727078
150W	HQLPC150/123/1050A/PD19E1-G4 HQLPC150/123/2800A/PD19E1-G4 HQLPC150/123/4050A/PD19E1-G4	100~277VAC	85-142V 32-54V 30-37V	630-1050mA 1680-2800mA 2430-4050mA	±5%	10~100% dim to off	≥0.95	89% 89% 88%	180x60x34	CCC CE	2740737069 2740737064 2740737063
200W	HQLPC200/123/1400A/PD4E1-G4 HQLPC200/123/3700A/PD4E1-G4 HQLPC200/123/5400A/PD4E1-G4	100~277VAC	85-142V 32-54V 30-37V	840-1400mA 2220-3700mA 3240-5400mA	±5%	10~100% dim to off	≥0.95	90% 89% 89%	200x63x38	CCC CE	2740736059 2740736066 2740736060
240W	HQLPC240/123/700A/PD4E1-G4 HQLPC240/123/1050A/PD4E1-G4 HQLPC240/123/2100A/PD4E1-G4 HQLPC240/123/4450A/PD4E1-G4 HQLPC240/123/8450A/PD4E1-G4	100~277VAC	205-342V 136-228V 68-114V 32-54V 30-37V	420-700mA 630-1050mA 1260-2100mA 2670-4450mA 4800-8000mA	±5%	10~100% dim to off	≥0.95	91% 91% 90% 90%	221x63x38	CCC CE	2740768017 2740768019 2740768020 2740768021 2740768022

注: 输出电压电流可根据客户需求调整。 Note: Output voltage and current can be adjusted according to customer requirement.

AOC G3系列

户外可调电流电源
ADJUSTABLE CURRENT LED DRIVERS

220~240VAC 35~240W 铝壳(Aluminum case) IP67

Watran

AOC-DIM G3系列

可调电流/1-10V调光/定时调光电源
Adjustable Current/1-10V Dimming/ Timing Dimming Power Supply

220~240VAC 35~240W IP67

Watran

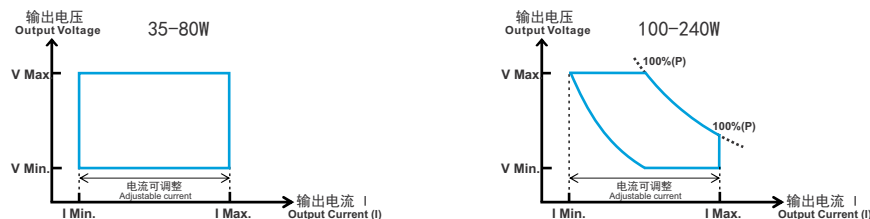
产品特点 / Product Feature

- 220~240VAC宽电压输入, 效率高达90%, 主动式功率因数校正。
 - 通过侧盖电位器可调整输出电流, 电流调整简单、方便。
 - 可出厂设置特定的电流。
 - IP67防水设计, 适合户外和室内独立安装应用。
 - 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
 - 防雷保护: 线对线(L-N) 6KV, 线对地(L-G, N-G) 6KV。
 - 适用于 LED路灯、隧道灯等工程照明灯具使用。
- Wide input voltage 220-240VAC, efficiency is up to 90% with active power factor correction.
 - Output current can be adjusted through the potentiometer, easy and convenient to adjust the current.
 - Can set the specified current before delivery.
 - IP67 waterproof design, suitable for outdoor and indoor independent installation application.
 - Exclusive surge protection patent, both protect the driver and lamp at the same time.
 - Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
 - Suitable for LED street lighting, tunnel lighting, etc.

执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC.60s; O/P-FG:1.5KVAC.60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547

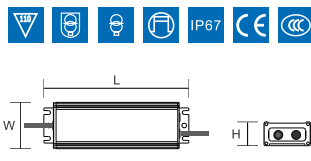
输出功率曲线图/Output power curve



U-I 曲线图 / U-I Curve
具体参数请参详各规格书



功率范围 Power	35~240W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	满功率输出电流 Full Power Output Current	精度 Tol	功率因数 PF (V)	效率 Efficiency	外形尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
35W	HQLPC35/221/850A/D20E2-G3	220~240VAC	40~55V	350~650mA	650mA	±5%	≥0.95	≥85%	142x52.5x32.2	CCC CE	2740840027
	HQLPC35/221/800A/D20E2-G3		28~43V	500~800mA	800mA						
60W	HQLPC60/221/750A/D20E2-G3	220~240VAC	54~80V	450~750mA	750mA	±5%	≥0.95	≥87%	150x52.5x32.2	CCC CE	2740846111
	HQLPC60/221/1100A/D20E2-G3		40~55V	650~1100mA	1100mA						
	HQLPC60/221/1400A/D20E2-G3		28~43V	800~1400mA	1400mA						
80W	HQLPC80/221/750A/D20E1-G3	220~240VAC	75~108V	450~750mA	750mA	±5%	≥0.95	≥88%	175x52.5x32.2	CCC CE	2740834025
	HQLPC80/221/1450A/D20E1-G3		40~55V	900~1450mA	1450mA						
	HQLPC80/221/1850A/D20E1-G3		28~43V	1200~1850mA	1850mA						
100W	HQLPC100/221/1050A/D27E1-G3	220~240VAC	71~142V	500~1050mA	700~1050mA	±5%	≥0.95	≥89%	153x67x40	CCC CE	2740827072
	HQLPC100/221/2800A/D27E1-G3		27~54V	1400~2800mA	1850~2800mA						
150W	HQLPC150/221/1050A/D27E1-G3	220~240VAC	107~214V	500~1050mA	700~1050mA	±5%	≥0.95	≥90%	188x67x40	CCC CE	2740837070
	HQLPC150/221/2100A/D27E1-G3		54~107V	1050~2100mA	1400~2100mA						
	HQLPC150/221/4200A/D27E1-G3		27~54V	2100~4200mA	2800~4200mA						
200W	HQLPC200/221/1050A/D27E1-G3	220~240VAC	142~285V	500~1050mA	700~1050mA	±5%	≥0.95	≥91%	216x67x40	CCC CE	2740836107
	HQLPC200/221/2800A/D27E1-G3		54~108V	1400~2800mA	1850~2800mA						
	HQLPC200/221/5600A/D27E1-G3		27~54V	2800~5600mA	3700~5600mA						
240W	HQLPC240/221/1500A/D27E1-G3	220~240VAC	114~229V	700~1500mA	1050~1500mA	±5%	≥0.95	≥92%	222x67x40	CCC CE	2740868017
	HQLPC240/221/3200A/D27E1-G3		54~109V	1600~3200mA	2200~3200mA						
	HQLPC240/221/6600A/D27E1-G3		27~54V	3300~6600mA	4450~6600mA						

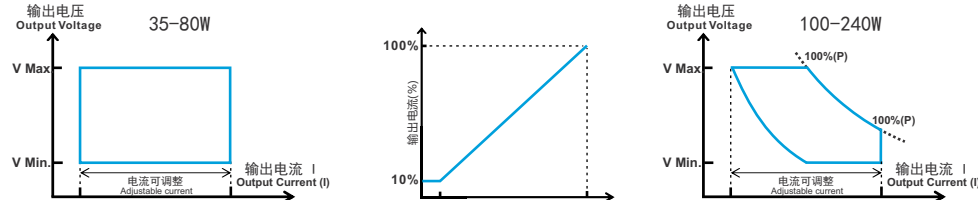
产品特点 / Product Feature

- 220~240VAC宽电压输入, 效率高达90%, 主动式功率因数校正。
 - 通过侧盖电位器可调整输出电流, 电流调整简单、方便。
 - 可出厂设置特定的电流。
 - 支持1-10V/PWM调光功能。
 - 可设定定时调光功能。
 - IP67防水设计, 适合户外和室内独立安装应用。
 - 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
 - 防雷保护: 线对线(L-N) 6KV, 线对地(L-G, N-G) 6KV。
 - 适用于 LED路灯、隧道灯等工程照明灯具使用。
- Wide input voltage 220-240VAC, efficiency is up to 90% with active power factor correction.
 - Output current can be adjusted through the potentiometer, easy and convenient to adjust the current.
 - Can set the specified current before delivery.
 - With 1-10V/PWM dimming function.
 - The function of timing and adjusting light can be set.
 - IP67 waterproof design, suitable for outdoor and indoor independent installation application.
 - Exclusive surge protection patent, both protect the driver and lamp at the same time.
 - Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
 - Suitable for LED street lighting, tunnel lighting, etc.

执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC.60s; O/P-FG:1.5KVAC.60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15

输出功率曲线图/Output power curve



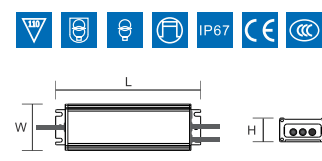
U-I 曲线图 / U-I Curve
具体参数请参详各规格书

调光曲线图 / Dimming Curve

U-I 曲线图 / U-I Curve
具体参数请参详各规格书



功率范围 Power	35~240W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	满功率输出电流 Full Power Output Current	精度 Tol	调光范围 Dimming Range	功率因数 PF (V)	效率 Efficiency	外形尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
35W	HQLPC35/221/850A/D20E2-G3	220~240VAC	40~55V	350~650mA	650mA	±5%	10%~100%	≥0.95	≥85%	142x52.5x32.2	CCC CE	2740840026
	HQLPC35/221/800A/D20E2-G3		28~43V	500~800mA	800mA							
60W	HQLPC60/221/750A/D20E2-G3	220~240VAC	54~80V	450~750mA	750mA	±5%	10%~100%	≥0.95	≥87%	150x52.5x32.2	CCC CE	2740846106
	HQLPC60/221/1100A/D20E2-G3		40~55V	650~1100mA	1100mA							
	HQLPC60/221/1400A/D20E2-G3		28~43V	800~1400mA	1400mA							
80W	HQLPC80/221/750A/D20E1-G3	220~240VAC	75~108V	450~750mA	750mA	±5%	10%~100%	≥0.95	≥88%	175x52.5x32.2	CCC CE	2740834024
	HQLPC80/221/1450A/D20E1-G3		40~55V	900~1450mA	1450mA							
	HQLPC80/221/1850A/D20E1-G3		28~43V	1200~1850mA	1850mA							
100W	HQLPC100/221/1050A/D27E1-G3	220~240VAC	71~142V	500~1050mA	700~1050mA	±5%	10%~100%	≥0.95	≥89%	153x67x40	CCC CE	2740827061
	HQLPC100/221/2800A/D27E1-G3		27~54V	1400~2800mA	1850~2800mA							
150W	HQLPC150/221/1050A/D27E1-G3	220~240VAC	107~214V	500~1050mA	700~1050mA	±5%	10%~100%	≥0.95	≥90%	188x67x40	CCC CE	2740837067
	HQLPC150/221/2100A/D27E1-G3		54~107V	1050~2100mA	1400~2100mA							
	HQLPC150/221/4200A/D27E1-G3		27~54V	2100~4200mA	2800~4200mA							
200W	HQLPC200/221/1050A/D27E1-G3	220~240VAC	142~285V	500~1050mA	700~1050mA	±5%	10%~100%	≥0.95	≥91%	224x67x40	CCC CE	2740836105
	HQLPC200/221/2800A/D27E1-G3		54~108V	1400~2800mA	1850~2800mA							
	HQLPC200/221/5600A/D27E1-G3		27~54V	2800~5600mA	3700~5600mA							
240W	HQLPC240/221/1500A/D27E1-G3	220~240VAC	114~229V	700~1500mA	1050~1500mA	±5%	10%~100%	≥0.95	≥92%	229x67x40	CCC CE	2740868018
	HQLPC240/221/3200A/D27E1-G3		54~109V	1600~3200mA	2200~3200mA							
	HQLPC240/221/6600A/D27E1-G3		27~54V	3300~6600mA	4450~6600mA							

AOC-DIM 系列

可调电流/1-10V调光/定时调光电源
Adjustable Current / 1-10V Dimming/Timing Dimming Power Supply

100~277VAC 25~240W IP65

UL1950

CCC

CE

IP65

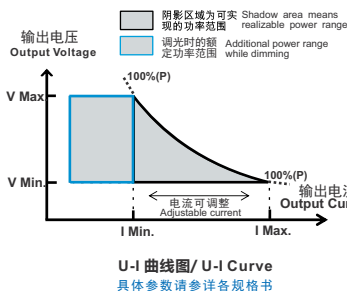
调光

定时

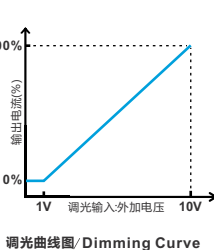
产品特点 / Product Feature

- ▶ 100~277VAC宽电压输入, 效率高达90%, 主动功率因数校正。
- ▶ 通过侧盖电位器可调整输出电流, 电流调整简单、方便。
- ▶ 满功率输出电流可2倍调整, 覆盖多种机型。
- ▶ 可出厂设置特定的电流。
- ▶ 智能限功率, 双重输出保护。
- ▶ 支持1-10V/PWM调光功能。
- ▶ 可设定定时调光功能。
- ▶ IP65防水设计, 适合户外和室内独立安装应用。
- ▶ 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
- ▶ 防雷保护: 线对线(L-N) 6KV, 线对地(L-G、N-G) 6KV。
- ▶ 适用于 LED路灯、隧道灯等工程照明灯具使用。

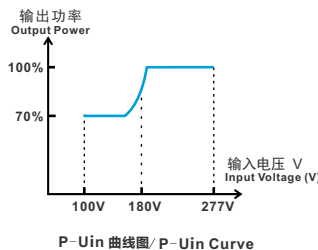
输出功率曲线图/Output power curve



U-I 曲线图 / U-I Curve
具体参数请参各规格书



调光曲线图 / Dimming Curve



P-Uin 曲线图 / P-Uin Curve
具体参数请参各规格书

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety Standards	UL1950, UL1012, UL1310, UL60950, GB19510, 1/IEC61347-1, GB19510, 1/IEC61347-2-13, GB/T2424.2-IEC62204
电磁兼容 EMC	GB17625.1/IEC61000-3-2, GB17743/CISPR15, GB/T18959/IEC61547, ANSI/C63.4:2009 Class B

- ▶ Wide input voltage 100-277VAC, efficiency is up to 90% with active power factor correction.
- ▶ Output current can be adjusted through the potentiometer, easy and convenient to adjust the current.
- ▶ Output current can be adjusted twice with full power, can cover a variety of models.
- ▶ Can set the specified current before delivery.
- ▶ Intelligent power-limited, double output protection.
- ▶ With 1-10V/PWM dimming function.
- ▶ The function of timing and adjusting light can be set.
- ▶ IP65 waterproof design, suitable for outdoor and indoor independent installation application.
- ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
- ▶ Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
- ▶ Suitable for LED street lighting, tunnel lighting, etc.

OCC 系列

户外恒流电源
OUTDOOR CONSTANT CURRENT LED DRIVERS

100~150W 铝壳(Aluminum case) IP67

UL1950

CCC

CE

产品特点 / Product Feature

- ▶ 国际通用交流输入范围, 220~240VAC。
- ▶ 具有主动式PFC功能。
- ▶ 保护种类: 短路、过载、开路、过温。
- ▶ IP67防护等级, 固定电流输出; 输入/输出端口为线材连接。
- ▶ 适合于LED照明等应用。
- ▶ 符合IEC和GB照明设备安全规范。
- ▶ 户内、户外均可安装均可使用。
- ▶ 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
- ▶ 防雷保护: 线对线(L-N) 6KV, 线对地(L-G、N-G) 6KV。

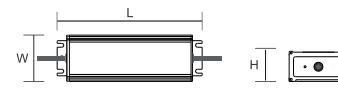
- ▶ International common AC input range, 220 ~ 240VAC.
- ▶ With active PFC function.
- ▶ Protection type: short circuit, overload, open circuit, over temperature.
- ▶ Ip67 protection class, fixed current output; The input/output ports are wire connections.
- ▶ Suitable for LED lighting and other applications.
- ▶ Comply with IEC and GB lighting safety specifications.
- ▶ Both indoor and outdoor installation can be used.
- ▶ Unique invention patent: surge protection function, not only can protect the power, but also protect the LED light source.
- ▶ Lightning protection: line-to-line (l-n)6KV, line-to-ground (l-g, n-g)6KV.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全标准 Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13
电磁兼容标准 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18959/IEC61547



功率范围 Power	100~150W
浪涌浪涌/Anti Surge	6KV
外壳材料/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	产品ERP编码 Product Code
100W	HQLPC100/221/350/D25E1	220~240VAC	172-286V	350mA	±5%	≥0.95	≥90%	197×50×32.2	-
	HQLPC100/221/500/D25E1		120-200V	500mA			≥90%		-
	HQLPC100/221/700/D25E1		86-143V	700mA			≥90%		-
	HQLPC100/221/800/D25E1		75-125V	800mA			≥90%		-
	HQLPC100/221/900/D25E1		66-111V	900mA			≥90%		-
	HQLPC100/221/1050/D25E1		57-96V	1050mA			≥90%		-
	HQLPC100/221/1200/D25E1		50-83V	1200mA			≥90%		-
	HQLPC100/221/1400/D25E1		42-71V	1400mA			≥90%		-
	HQLPC100/221/1800/D25E1		34-56V	1800mA			≥90%		-
	HQLPC100/221/2100/D25E1		28-48V	2100mA			≥90%		-
150W	HQLPC100/221/2400/D25E1	220~240VAC	25-42V	2400mA	±5%	≥0.95	≥90%	212×50×32.2	-
	HQLPC100/221/2800/D25E1		22-36V	2800mA			≥90%		-
	HQLPC150/221/350/D25E1		180-300V	500mA			≥90%		-
	HQLPC150/221/700/D25E1		128-214V	700mA			≥90%		-
	HQLPC150/221/800/D25E1		113-188V	800mA			≥90%		-
	HQLPC150/221/900/D25E1		100-167V	900mA			≥90%		-
	HQLPC150/221/1050/D25E1		86-143V	1050mA			≥90%		-
	HQLPC150/221/1200/D25E1		75-125V	1200mA			≥90%		-
	HQLPC150/221/1400/D25E1		64-107V	1400mA			≥90%		-
	HQLPC150/221/1800/D25E1		50-83V	1800mA			≥90%		-
240W	HQLPC150/221/2100/D25E1	220~240VAC	42-71V	2100mA	±5%	≥0.95	≥90%	249×74×46	-
	HQLPC150/221/2400/D25E1		38-63V	2400mA			≥90%		-
	HQLPC150/221/2800/D25E1		32-54V	2800mA			≥90%		-
	HQLPC150/221/3200/D25E1		27-47V	3200mA			≥90%		-
	HQLPC150/221/3600/D25E1		25-42V	3600mA			≥90%		-
	HQLPC150/221/4200/D25E1		22-36V	4200mA			≥90%		-
	HQLPC240/123/1050AP/D4E1	100~277VAC	229-460V	500~1050mA	±5%	10%-100%	≥0.95	249×74×46	-
	HQLPC240/123/2100AP/D4E1		115-228V	1050~2100mA			≥0.95		-
	HQLPC240/123/4200AP/D4E1		56-114V	2100~4200mA			≥0.95		-
	HQLPC240/123/7200AP/D4E1		28-56V	4200~7200mA			≥0.95		-
	HQLPC240/123/8400AP/D4E1		28-56V	7200~8400mA			≥0.95		-
	HQLPC240/123/1050AP/D4E1		115-228V	1050~2100mA			≥0.95		-
	HQLPC240/123/2100AP/D4E1		56-114V	2100~4200mA			≥0.95		-
	HQLPC240/123/4200AP/D4E1		28-56V	4200~7200mA			≥0.95		-
	HQLPC240/123/7200AP/D4E1		28-56V	7200~8400mA			≥0.95		-
	HQLPC240/123/8400AP/D4E1		28-56V	8400~9600mA			≥0.95		-

OCC/OCC-DIM 系列

大功率恒流电源（非调光/可调光）
High Power LED Driver (Non-dim/Dimmable)

300~430W 铝壳(Aluminum case) IP67

Watran

AOC-DIM大功率 系列

可调电流/0-10V调光
Adjustable Current/0-10VDimmable

300~600W 铝壳(Aluminum case) IP67

Watran

产品特点 / Product Feature

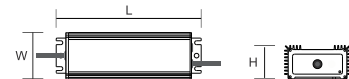
- ▶ 220/380VAC电压输入，效率高达92%。
 - ▶ 低纹波恒定电流输出。
 - ▶ 支持0-10V/DALI/DMX调光功能。
 - ▶ 全方位保护：短路保护，开路保护，过载保护，过温保护。
 - ▶ Ip67防护等级，户内、户外均可安装使用。
 - ▶ 独有的发明专利：浪涌保护功能，既能保护电源，又保护LED光源。
 - ▶ 防雷保护：线对线(L-N) 6KV，线对地(L-G、N-G) 6KV。
 - ▶ 适合大功率户外照明LED灯具或植物照明LED灯具等应用。
- ▶ Input voltage 220/380VAC, efficiency is up to 92%.
 - ▶ Low ripple constant current output.
 - ▶ With 0-10V/DALI/DMX dimming function.
 - ▶ Intelligent power-limited, double output protection.
 - ▶ All round protection: short circuit protection, open circuit protection, over-load protection, over-heat protection.
 - ▶ IP67 waterproof design, suitable for outdoor and indoor independent installation application.
 - ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
 - ▶ Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
 - ▶ Suitable for high power outdoor LED fixture or LED Plant lighting application etc.

执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC,60s; O/P-FG:1.5KVAC,60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



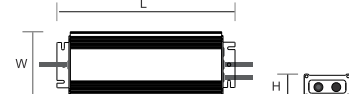
功率范围 Power	300-430W
抗浪涌/Anti-Surge	6KV
外壳材料/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	调光方式 Dimming Type	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
300W	HQLPC300/221/3200/D7E1	220-240VAC	68-94V	3200mA	±5%	非调光	≥0.95	≥90%	280x99x50	-	2740629018
	HQLPC300/221/6200/D7E1		28-48V	6200mA							2740629018
	HQLPC300/221/7100/D7E1		28-42V	7100mA							2740629017
430W	HQLPC480/221/2100/D7E1	220-240VAC	160-205V	2100mA	±5%	非调光	≥0.95	≥92%	286x99x50	CCC	-
	HQLPC480/380/2100/D7E1		380VAC						324x99x50		-



功率范围 Power	430W
抗浪涌/Anti-Surge	6KV
外壳材料/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	调光方式 Dimming Type	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code	
430W	HQLPC480/221/2100P/D7E1	220-240VAC	160-205V	2100mA	±5%	0-10V调光	≥0.95	≥92%	286x99x50	CCC	-	
	DALI调光					-						
	DMX调光					-						
	HQLPC480/380/2100P/D7E1	380VAC				0-10V调光			324x99x50		-	
	HQLPC480/380/2100D/D7E1					DALI调光					-	
	HQLPC480/380/2100M/D7E1					DMX调光					-	

产品特点 / Product Feature

- ▶ 100-277VAC电压输入，效率高达92%。
 - ▶ 低纹波恒定电流输出。
 - ▶ 支持0-10V/PWM调光功能。
 - ▶ 全方位保护：短路保护，开路保护，过载保护，过温保护。
 - ▶ Ip67防护等级，户内、户外均可安装使用。
 - ▶ 独有的发明专利：浪涌保护功能，既能保护电源，又保护LED光源。
 - ▶ 防雷保护：线对线(L-N) 6KV，线对地(L-G、N-G) 6KV。
 - ▶ 适合大功率户外照明LED灯具或植物照明LED灯具等应用。
- ▶ Input voltage 100-277VAC, efficiency is up to 92%.
 - ▶ Low ripple constant current output.
 - ▶ With 0-10V/PWM dimming function.
 - ▶ Intelligent power-limited, double output protection.
 - ▶ All round protection: short circuit protection, open circuit protection, over-load protection, over-heat protection.
 - ▶ IP67 waterproof design, suitable for outdoor and indoor independent installation application.
 - ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
 - ▶ Surge protection: L-N and L, N-G all meet the surge protection of 6KV.
 - ▶ Suitable for high power outdoor LED fixture or LED Plant lighting application etc.

执行标准 / Implementation Standards

耐压	Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC,60s; O/P-FG:1.5KVAC,60s
浪涌	Surge Protection	EN61000-4-5
性能/安全标准	Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准	EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



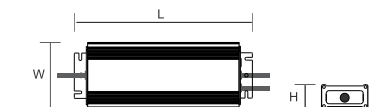
功率范围 Power	300W
抗浪涌/Anti-Surge	6KV
外壳材料/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	满功率输出电流 Full Power Output Current	精度 Tol	调光方式 Dimming Type	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
300W	HQLPC300/221/1050AP/DE1	220-240VAC	140-280VAC	700-1050mA	1050mA	±5%	1-10V调光	≥0.95	≥92%	239x74x42	-	2740829063
	HQLPC300/221/1200AP/DE1		150-250VAC	800-1200mA	1200mA							2740829061
	HQLPC300/221/2100AP/DE1		86-142VAC	1400-2100mA	2100mA							2740829058



功率范围 Power	600W
抗浪涌/Anti-Surge	6KV
外壳材料/Material	铝壳/Aluminum Case
出线方式/Output Wire	引线-YZW橡胶线/Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流(可调) Output Current (adjustable)	满功率输出电流 Full Power Output Current	精度 Tol	调光方式 Dimming Type	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
600W	HQLPC800/123/14200AP/D29E1	100-277VAC	30-50V	9000-14200mA	12000-14200mA	±5%	0-10V调光	≥0.95	≥92%	274x141x48	-	2740793003
	HQLPC800/221/2800AP/D29E1	220-240VAC	137-273V	1680-2800mA	2200-2800mA							

PLC 系列

PLC电力载波通讯电源
POWER LINE COMMUNICATION LED DRIVERS

40~240W 铝壳(Aluminum case) IP65

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OCC 系列

户外单路恒流电源
OUTDOOR SINGLE CHANNEL OUTPUT CONSTANT CURRENT LED DRIVERS

16~60W 塑壳(Plastic case) IP65

Watran

产品特点 / Product Feature

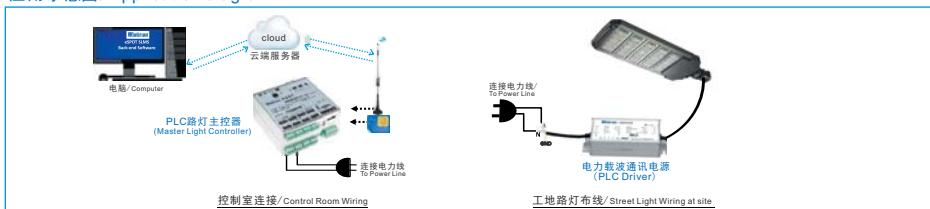
- ▶ 90~305VAC电压输入, 效率高达92%, 主动功率因数校正。
- ▶ 恒流输出, 输出电流可通过外部电位器调整。
- ▶ 全电流调整范围内, 电源恒功率输出。
- ▶ 通过电力线载波通信, 可实时监测电源的功率、电流、电压以及故障信息等。同时配套相应的控制器还能实现远程无线调光。
- ▶ 保护种类: 短路、过温、过载、输入过压保护。
- ▶ IP65防护等级, 户内、户外均可安装使用。
- ▶ 独有的发明专利: 浪涌保护功能, 既能保护电源, 又保护LED光源。
- ▶ 防雷保护: 线对线 (L-N) 6KV, 线对地 (L-G、N-G) 6KV。
- ▶ 适用于 LED路灯、隧道灯等工程照明灯具使用。

执行标准 / Implementation Standards

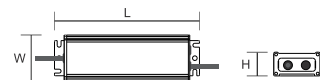
耐压 Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18955/IEC61547

- ▶ Input voltage 90-305VAC, efficiency is up to 92% with active power factor correction.
- ▶ Constant current output, output current can be adjusted by external potentiometer.
- ▶ Constant power output of the power supply is within the full current adjustment range.
- ▶ Through power line carrier communication, the power, current, voltage and fault information of power supply can be monitored in real time. At the same time, the corresponding controller can realize remote wireless dimming.
- ▶ Protections: Short circuit, Over temperature protection, Input overvoltage protection.
- ▶ IP65 waterproof design, suitable for outdoor and indoor independent installation application.
- ▶ Exclusive surge protection patent, both protect the driver and lamp at the same time.
- ▶ Surge protection: L-N and L-G all meet the surge protection of 6KV.
- ▶ Suitable for LED street lighting, tunnel lighting, etc.

应用示意图 / Application diagram



功率范围 Power	40~240W
抗浪涌 Anti Surge	6KV
外壳材质 Material	铝壳 / Aluminum Case
出线方式 Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命 Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	调光范围 Dimming Range	功率因数 PF (L)	效率 Efficiency	默认输出电流 Default Output Current	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
40W	HQLPC40/123/700PLC/D4E1	100~277VAC	56~112V	350~700mA	±5%	0%~100%	≥0.90	≥85%	700mA	180x63x38	CE	-
	HQLPC40/123/1400PLC/D4E1	100~277VAC	28~56V	700~1400mA	±5%	0%~100%	≥0.90	≥85%	1400mA	180x63x38	CE	-
60W	HQLPC60/123/700PLC/D4E1	100~277VAC	84~168V	350~700mA	±5%	0%~100%	≥0.90	≥86%	700mA	180x63x38	CE	-
	HQLPC60/123/1400PLC/D4E1	100~277VAC	42~84V	700~1400mA	±5%	0%~100%	≥0.90	≥86%	1400mA	180x63x38	CE	-
80W	HQLPC80/123/2800PLC/D4E1	100~277VAC	21~42V	1400~2800mA	±5%	0%~100%	≥0.90	≥86%	2800mA	180x63x38	CE	-
	HQLPC80/123/700PLC/D4E1	100~277VAC	114~228V	350~700mA	±5%	0%~100%	≥0.90	≥86%	700mA	180x63x38	CE	-
110W	HQLPC110/123/1200APLC/D4E1	100~277VAC	75~122V	700~1200mA	±5%	0%~100%	≥0.95	≥88%	1200mA	224x74x42.2	-	-
	HQLPC110/123/3200APLC/D4E1	100~277VAC	30~50V	1800~3200mA	±5%	0%~100%	≥0.95	≥88%	3200mA	224x74x42.2	-	-
160W	HQLPC160/123/1200APLC/D4E1	100~277VAC	104~178V	700~1200mA	±5%	0%~100%	≥0.95	≥89%	1200mA	239x74x42.2	-	-
	HQLPC160/123/4600APLC/D4E1	100~277VAC	30~50V	2600~4600mA	±5%	0%~100%	≥0.95	≥89%	4600mA	239x74x42.2	-	-
240W	HQLPC240/123/1200APLC/D4E1	100~277VAC	152~267V	700~1200mA	±5%	0%~100%	≥0.95	≥90%	1200mA	259x74x42.2	-	-
	HQLPC240/123/6800APLC/D4E1	100~277VAC	30~50V	3600~6800mA	±5%	0%~100%	≥0.95	≥90%	6800mA	259x74x42.2	-	-

产品特点 / Product Feature

- ▶ IP65防护等级, 独立安装式结构。
- ▶ 隔离电路设计, 主动功率因数校正。
- ▶ 防雷保护: 线-线6KV。
- ▶ 全方位保护: 过温保护, 短路保护, 过压保护。
- ▶ 适用于LED装饰照明及景观工程照明灯具使用。

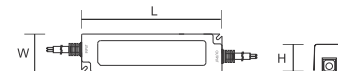
- ▶ IP65 protection class, suitable for outdoor and indoor separately installation (internal or external) applications.
- ▶ Isolation circuits design, active power factor correction.
- ▶ Lighting protection: L-N 6KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P: 3.75KVAC, 60s; I/P-FG: 1.875KVAC, 60s; O/P-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全标准 Performance/Safety Standards	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容标准 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18955/IEC61547



功率范围 Power	16~60W
抗浪涌 Anti Surge	6KV
外壳材质 Material	塑料壳 / Plastic Case
出线方式 Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	80°C
使用寿命 Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
16W	HQLPC16/122/350/BE1	100~240VAC	32~50V	350mA	±5%	≥0.90	≥84%	148x40x32	-	2740677001
25W	HQLPC25/122/350/BE1	100~240VAC	48~72V	350mA	±5%	≥0.90	≥84%	148x40x32	CCC CE	2740642017
	HQLPC25/122/500/BE1		32~50V	500mA						2740642008
	HQLPC25/122/700/BE1		24~36V	700mA						2740642011
	HQLPC25/122/900/BE1		20~28V	900mA						2740642012
	HQLPC25/122/1050/BE1		16~24V	1050mA						2740642013
	HQLPC25/122/1400/BE1		12~18V	1400mA						2740642007
35W	HQLPC35/122/350/BE1	100~240VAC	65~100V	350mA	±5%	≥0.90	≥85%	148x40x32	CCC CE	2740640024
	HQLPC35/122/500/BE1		45~70V	500mA						2740640025
	HQLPC35/122/700/BE1		32~50V	700mA						2740640013
	HQLPC35/122/900/BE1		25~38V	900mA						2740640026
	HQLPC35/122/1050/BE1		28~34V	1050mA						2740640027
	HQLPC35/122/1400/BE1		16~25V	1400mA						2740640028
45W	HQLPC45/122/950/BE1	100~240VAC	32~48V	950mA	±5%	≥0.90	≥85%	163x43x32	CCC CE	2740655066
50W	HQLPC50/122/500/BE1	100~240VAC	65~100V	500mA	±5%	≥0.90	≥85%	163x43x32	CCC CE	2740626085
	HQLPC50/122/700/BE1		48~72V	700mA						2740626086
	HQLPC50/122/900/BE1		38~56V	900mA						2740626087
	HQLPC50/122/1050/BE1		32~48V	1050mA						2740626035
	HQLPC50/122/1400/BE1		24~36V	1400mA						2740626088
60W	HQLPC60/122/700/BE1	100~240VAC	58~86V	700mA	±5%	≥0.90	≥85%	163x43x32	CCC CE	2740646097
	HQLPC60/122/900/BE1		45~67V	900mA						2740646098
	HQLPC60/122/1050/BE1		38~58V	1050mA						2740646099
	HQLPC60/122/1400/BE1		30~45V	1400mA						2740646067

ICC 系列

室内恒流电源(低纹波)
INDOOR CONSTANT CURRENT LED DRIVERS (LOW RIPPLE CURRENT)

输入 Input : 220~240VAC 9~60W 塑壳(Alastic case)

Watran

ICC-DIM / ICC-DALI 系列

室内1-10V/ DALI恒流电源 (低纹波)
INDOOR 1-10V DIMMING CONTROL LED DRIVERS (LOW RIPPLE CURRENT)

输入 Input : 220~240VAC 7~60W 塑壳(Plastic case)

Watran

产品特点 / Product Feature

- ▶ 输入电压220~240VAC
- ▶ 独立安装式结构。
- ▶ 安全隔离电路设计, 主动功率因数校正。
- ▶ 输出纹波电流小于5%, 无频闪。
- ▶ 浪涌保护: 线-线 2KV。
- ▶ 全方位保护: 过温保护, 短路保护, 过压保护。
- ▶ 适用于高档的筒灯及要求无频闪的LED灯具配套使用。

- ▶ Input voltage 220-240VAC.
- ▶ Separately installation structure.
- ▶ Isolation circuits design, active power factor correction.
- ▶ Output ripple current less than 5%, flicker free.
- ▶ Surge protection: L-N 2KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.
- ▶ Suitable for superior quality down lights and flicker free LED light.

执行标准 / Implementation Standards

耐压 Withstand Voltage	IP-OIP: 3.75KVAC, 60s; IP-FG: 1.875KVAC, 60s; OIP-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB17450/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547
通讯协议 Communication Protocol	IEC 62386-101; IEC 62386-102; IEC 62386-207



功率范围 Power	9~60W
浪涌/ Anti Surge	2KV
外壳材料/ Material	塑料壳/ Plastic Case
出线方式/ Output Wire	端子/ Terminal
Ta	-40°C~50°C
Tc	80°C
使用寿命/ Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	纹波电流 Ripple Current	功率因数 PF (L)	效率 Efficiency	认证 Certification	外型尺寸 LxWxH(mm)
9W	HQLPC9/221/200/AE3-2	220~240VAC	30~45V	200mA	±5%	<5%	≥0.90	≥80%	CCC CE	
	HQLPC9/221/250/AE3-2		24~36V	250mA						
	...		...	...						
	HQLPC9/221/700/AE3-2		8~13V	700mA						
12W	HQLPC12/221/200/AE2-2	220~240VAC	40~60V	200mA	±5%	<5%	≥0.95	≥83%	CCC CE	
	HQLPC12/221/250/AE2-2		32~48V	250mA						
	...		...	...						
	HQLPC12/221/1050/AE3-2		8~12V	1050mA						
16W	HQLPC16/221/200/AE2-2	220~240VAC	60~80V	200mA	±5%	<5%	≥0.95	≥83%	CCC CE	
	HQLPC16/221/250/AE2-2		42~64V	250mA						
	...		...	...						
	HQLPC16/221/1050/AE2-2		10~15V	1050mA						
21W	HQLPC21/221/300/AE2-2	220~240VAC	47~70V	300mA	±5%	<5%	≥0.95	≥83%	CCC CE	
	HQLPC21/221/350/AE2-2		40~60V	350mA						
	...		...	...						
	HQLPC21/221/1050/AE2-2		13~20V	1050mA						
24W	HQLPC24/221/575/AE2-2	220~240VAC	30~42V	575mA	±5%	<5%	≥0.95	≥84%	CCC CE	
26W	HQLPC26/221/300/AE3-2	220~240VAC	58~87V	300mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC26/221/350/AE3-2		50~74V	350mA						
	...		...	...						
	HQLPC26/221/1200/AE3-2		15~22V	1200mA						
32W	HQLPC32/221/800/AE3-2	220~240VAC	30~42V	800mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC36/221/500/AE3-2		48~72V	500mA						
	HQLPC36/221/550/AE3-2		43~65V	550mA						
	...		...	...						
36W	HQLPC36/221/1200/AE3-2	220~240VAC	20~30V	1200mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC40/221/500/AE3-2		54~80V	500mA						
	HQLPC40/221/550/AE3-2		50~73V	550mA						
	...		...	...						
40W	HQLPC40/221/1200/AE3-2	220~240VAC	22~34V	1200mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC45/221/500/AE2-2		60~90V	500mA						
	HQLPC45/221/550/AE2-2		55~82V	550mA						
	...		...	...						
45W	HQLPC45/221/1200/AE2-2	220~240VAC	25~38V	1200mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC50/221/500/AE2-2		70~100V	500mA						
	HQLPC50/221/550/AE2-2		64~91V	550mA						
	...		...	...						
50W	HQLPC50/221/1200/AE2-2	220~240VAC	29~42V	1200mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	HQLPC56/221/1200/AE2-2		32~46V	1200mA						
	HQLPC60/221/700/AE2-2		58~86V	700mA						
	HQLPC60/221/750/AE2-2		54~80V	750mA						
60W	HQLPC60/221/1200/AE2-2	220~240VAC	34~50V	1200mA	±5%	<5%	≥0.95	≥86%	CCC CE	
	...		...	...						
	...		...	...						
	...		...	...						

注: 此款产品型号是以50mA电流区间为一个档位延伸。例: HQLPC 40/221/500/AE3-2

Note: The output current of this type driver is designed as adding every 50mA each type. For example: HQLPC 40/221/500/AE3-2

产品特点 / Product Feature

- ▶ 输入电压220~240VAC。
- ▶ 独立安装式结构, 安全隔离电路设计。
- ▶ 采用线性的调光曲线, 调光平滑。
- ▶ 输出纹波电流小于5%, 无频闪。
- ▶ 调光端口采用隔离的设计方式。
- ▶ 浪涌保护: 线-线 2KV。
- ▶ 全方位保护: 过温保护, 短路保护, 过压保护。
- ▶ 适用于室内1-10V调光或DALI调光灯具配套使用。

- ▶ Input voltage 220-240VAC.
- ▶ Separately installation structure. Isolation circuits design.
- ▶ Use a linear dimming curve, smooth dimming.
- ▶ Output ripple current less than 5%, flicker free.
- ▶ Dimming port using isolation design.
- ▶ Surge protection: L-N 2KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.
- ▶ Suitable for indoor 1-10V dimming light or DALI dimming control light.

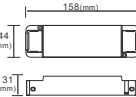
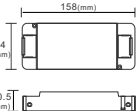
执行标准 / Implementation Standards

耐压 Withstand Voltage	IP-OIP: 3.75KVAC, 60s; IP-FG: 1.875KVAC, 60s; OIP-FG: 1.5KVAC, 60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB17450/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



功率范围 Power	7~60W
浪涌/ Anti Surge	2KV
外壳材料/ Material	塑料壳/ Plastic Case
出线方式/ Output Wire	端子/ Terminal
Ta	-40°C~50°C
Tc	80°C
使用寿命/ Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	纹波电流 Ripple Current	调光范围 Dimming Range	功率因数 PF (L)	效率 Efficiency	认证 Certification	外型尺寸 LxWxH(mm)
7W	HQLPC7/221/120 * /A5E2-2	220-240VAC	39-58V	120mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	HQLPC7/221/150 * /A5E2-2		32-47V	150mA							
	⋮		⋮	⋮							
	HQLPC7/221/900 * /A5E2-2		5-8V	900mA							
9W	HQLPC9/221/200 * /A5E2-2	220-240VAC	30-45V	200mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	⋮		⋮	⋮							
	HQLPC9/221/1050 * /A5E2-2		6-9V	1050mA							
12W	HQLPC12/221/200 * /A5E2-2	220-240VAC	40-60V	200mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	⋮		⋮	⋮							
	HQLPC12/221/1050 * /A5E2-2		8-12V	1050mA							
16W	HQLPC16/221/200 * /A5E1-2	220-240VAC	54-80V	200mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	⋮		⋮	⋮							
	⋮		⋮	⋮							
	HQLPC16/221/1050 * /A5E1-2		10-15V	1050mA							
21W	HQLPC21/221/300 * /A5E1-2	220-240VAC	47-70V	300mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	⋮		⋮	⋮							
	HQLPC21/221/1050 * /A5E1-2		14-20V	1050mA							
24W	HQLPC24/221/520 * /A5E1-2	220-240VAC	38-46V	520mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
	HQLPC24/221/575 * /A5E1-2	220-240VAC	30-42V	575mA							
25W	HQLPC25/221/520 * /A5E1-2	220-240VAC	31-46V	520mA	±5%	<5%	10-100%	≥0.90	≥84%	CCC CE	
26W	HQLPC26/221/300 * /A10E2-2	220-240VAC	58-87V	300mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
HQLPC26/221/1400 * /A10E2-2	12-18V	1400mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE			
	⋮	⋮							⋮		
32W	HQLPC32/221/800 * /A10E2-2	220-240VAC	30-42V	800mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	HQLPC32/221/930 * /A10E2-2		220-240VAC	23-35V							
36W	HQLPC36/221/500 * /A10E2-2	220-240VAC	48-72V	500mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
	HQLPC36/221/1400 * /A10E2-2		17-26V	1400mA							
40W	HQLPC40/221/500 * /A10E2-2	220-240VAC	54-80V	500mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
	HQLPC40/221/1400 * /A10E2-2		19-29V	1400mA							
45W	HQLPC45/221/500 * /A10E2-2	220-240VAC	60-90V	500mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
	HQLPC45/221/1400 * /A10E2-2		21-32V	1400mA							
50W	HQLPC50/221/500 * /A10E2-2	220-240VAC	70-100V	500mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
HQLPC50/221/1400 * /A10E2-2	25-36V	1400mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE			
	⋮	⋮							⋮		
56W	HQLPC56/221/1200 * /A10E2-2	220-240VAC	32-46V	1200mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
60W	HQLPC60/221/700 * /A10E2-2	220-240VAC	58-86V	700mA	±5%	<5%	10-100%	≥0.90	≥85%	CCC CE	
	⋮		⋮	⋮							
	HQLPC60/221/1400 * /A10E2-2		29-43V	1400mA							

OCV 系列

户外恒压电源
OUTDOOR CONSTANT VOLTAGE LED DRIVERS

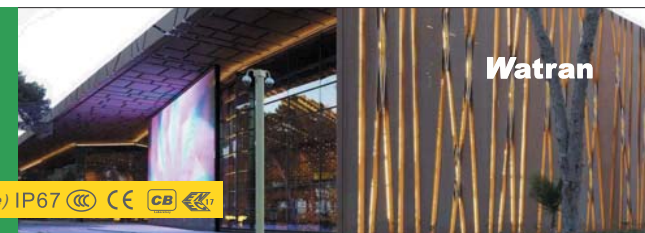
100~400W 铝壳(Aluminum case) IP67



OCV 系列

户外恒压电源
OUTDOOR CONSTANT VOLTAGE LED DRIVERS

30~250W 铝壳/塑料壳(Aluminum / Plastic case) IP67



产品特点 / Product Feature

- ▶ IP67防护等级，独立安装式结构。
- ▶ 隔离电路设计，主动式功率因数校正。
- ▶ 防雷保护：线-线6KV，线-地6KV。
- ▶ 全方位保护：过温保护，短路保护，过载保护。
- ▶ 适用于LED显示屏、LED装饰照明及景观工程照明灯具使用。
- ▶ IP67 waterproof design, suitable for outdoor and indoor separately installation (internal or external) applications.
- ▶ Isolation circuits design, active power factor correction.
- ▶ Lighting protection: L-N 6KV, L(N)-FG 6KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.
- ▶ Using in LED display, LED decorative lighting and landscape engineering lighting ect.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC.60s; O/P-FG:1.5KVAC.60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



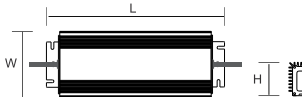
功率范围 Power	100~300W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40℃~50℃
Tc	90℃
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
100W	HQLPV100/123/12/D4E1-1	100~277VAC	12V	8.33A Max.	±5%	≥0.95	≥88%	169x63x38	CCC, CE, CB	2740727081
	HQLPV100/123/24/D4E1-1		24V	4.17A Max.						2740727082
	HQLPV100/123/36/D4E1-1		36V	2.77A Max.						2740727080
	HQLPV100/123/48/D4E1-1		48V	2.08A Max.						2740727079
150W	HQLPV150/123/12/D4E1-1	100~277VAC	12V	12.50A Max.	±5%	≥0.95	≥88%	185x63x38	CCC, CE, CB	2740737054
	HQLPV150/123/24/D4E1-1		24V	6.25A Max.						2740737055
	HQLPV150/123/36/D4E1-1		36V	4.16A Max.						2740737056
	HQLPV150/123/48/D4E1-1		48V	3.12A Max.						2740737053
200W	HQLPV200/123/12/D4E1-1	100~277VAC	12V	16.7A Max.	±5%	≥0.95	≥88%	193x63x38	CCC, CE, CB	2740738053
	HQLPV200/123/24/D4E1-1		24V	8.33A Max.						2740738056
	HQLPV200/123/36/D4E1-1		36V	5.55A Max.						2740738055
	HQLPV200/123/48/D4E1-1		48V	4.16A Max.						2740738054
265W	HQLPV265/123/12/D4E1-1	100~277VAC	12V	22.08A Max.	±5%	≥0.95	≥90%	239x74x46	CCC, CE, CB	2740780008
	HQLPV265/123/24/D4E1-1		24V	11.04A Max.						2740780010
	HQLPV265/123/36/D4E1-1		36V	7.36A Max.						2740780011
	HQLPV265/123/48/D4E1-1		48V	5.52A Max.						2740780009
300W	HQLPV300/123/24/D4E1-1	100~277VAC	24V	12.5A Max.	±5%	≥0.95	≥92%	249x74x46	CCC, CE, CB	2740729003
	HQLPV300/123/36/D4E1-1		36V	8.33A Max.						2740729007
	HQLPV300/123/48/D4E1-1		48V	6.25A Max.						2740729006



功率范围 Power	320~400W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40℃~50℃
Tc	80℃
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
320W	HQLPV320/123/12/D7E1-1	100~277VAC	12V	26.67A Max.	±5%	≥0.95	≥91%	295x99x50	CCC, CE, CB	2740775008
	HQLPV320/123/24/D7E1-1		24V	13.33A Max.						2740775006
	HQLPV320/123/36/D7E1-1		36V	8.88A Max.						2740775009
	HQLPV320/123/48/D7E1-1		48V	6.66A Max.						2740775005
400W	HQLPV400/123/24/D7E1-1	100~277VAC	24V	16.67A Max.	±5%	≥0.95	≥92%	295x99x50	CCC, CE, CB	2740785001
	HQLPV400/123/36/D7E1-1		36V	11.11A Max.						2740785002
	HQLPV400/123/48/D7E1-1		48V	8.33A Max.						2740785004



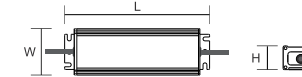
功率范围 Power	35~75W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40℃~50℃
Tc	90℃
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
35W	HQLPV35/123/24/D4E2	100~277VAC	24V	1.46A Max.	±5%	0.95	≥85%	85x63x38	CCC CE CB	2740740021
	HQLPV35/123/36/D4E2		36V	0.97A Max.						2740740023
	HQLPV35/123/48/D4E2		48V	0.73A Max.						2740740022
	HQLPV50/123/24/D4E2		24V	2.08A Max.						2740726025
50W	HQLPV50/123/36/D4E2	100~277VAC	36V	1.39A Max.	±5%	0.95	≥86%	105x63x38	CCC CE CB	2740726028
	HQLPV50/123/48/D4E2		48V	1.04A Max.						2740726027
	HQLPV75/123/24/D27E1	100~277VAC	24V	3.12A Max.	±5%	0.95	≥88%	115x67x40	CCC CE CB	2740758020
	HQLPV75/123/36/D27E1		36V	2.08A Max.						2740758021
75W	HQLPV75/123/48/D27E1		48V	1.56A Max.						2740758022



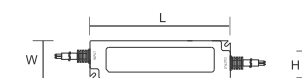
功率范围 Power	30~250W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40℃~50℃
Tc	90℃
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
30W	HQLPV30/123/12/D10E3	100~277VAC	12V	2.5A Max.	±5%	0.95	≥82%	210x30x21	CCC CE	2740732015
	HQLPV30/123/24/D10E3		24V	12.5A Max.						2740732014
50W	HQLPV50/123/24/D10E3	100~277VAC	24V	2.08A Max.	±5%	0.95	≥85%	210x30x21	CCC CE	2740726032
	HQLPV50/123/36/D10E3		36V	1.39A Max.						-
	HQLPV50/123/48/D10E3		48V	1.04A Max.						-
	HQLPV60/123/12/D21E2	100~277VAC	12V	5A Max.	±5%	0.95	≥85%	199x42.5x35.5	CCC CE CB	2740746049
60W	HQLPV60/123/24/D21E2		24V	2.5A Max.						-
	HQLPV80/123/12/D30E2	100~277VAC	12V	6.67A Max.	±5%	0.95	≥87%	234x44x25	CCC CE	-
	HQLPV80/123/24/D30E2		24V	3.33A Max.						-
	HQLPV80/123/48/D30E2		48V	1.67A Max.						-
150W	HQLPV150/123/12/D30E1	100~277VAC	12V	12.5A Max.	±5%	0.95	≥89%	330x44x25	CCC CE	-
	HQLPV150/123/24/D30E1		24V	6.25A Max.						-
	HQLPV150/123/48/D30E1		48V	3.125A Max.						-
	HQLPV250/123/24/D30E1	100~277VAC	24V	10.42A Max.	±5%	0.95	≥90%	380x44x25	CCC CE	-
250W	HQLPV250/123/48/D30E1		48V	5.21A Max.						-



功率范围 Power	30~60W
抗浪涌 / Anti Surge	6KV
外壳材料 / Material	塑料壳 / Plastic Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40℃~50℃
Tc	80℃
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (L)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
30W	HQLPV30/221/12/BE2	220~240VAC	12V	2.5A Max.	±5%	0.95	≥85%	148x40x32	CCC CE	2740832027
	HQLPV30/221/24/BE2		24V	1.25A Max.						2740832025
60W	HQLPV60/221/12/BE2	220~240VAC	12V	5A Max.	±5%	0.95	≥85%	163x42.5x32	CCC CE	2740846031
	HQLPV60/221/24/BE2		24V	2.5A Max.						2740846025

OCV 系列(UL)

户外恒压电源
OUTDOOR CONSTANT VOLTAGE LED DRIVERS

50~300W 铝壳(Aluminum case) IP67 cULus



OCV-DIM 系列

0/1-10V恒压调光电源
1-10V DIMMING CONTROL CONSTANT VOLTAGE LED DRIVERS

50~400W 铝壳(Aluminum case) IP67 CE



Watran

产品特点 / Product Feature

- ▶ 防水设计(UL防护标准-Wet location)，独立安装式结构。
- ▶ 隔离电路设计，主动功率因数校正。
- ▶ 防雷保护：线-线6KV，线-地6KV。
- ▶ 全方位保护：过温保护，短路保护，过载保护。
- ▶ 适用于LED显示屏、LED装饰照明及景观工程照明灯具使用。
- ▶ Wet location waterproof design, suitable for outdoor and indoor separately installation (internal or external) applications.
- ▶ Isolation circuits design, active power factor correction.
- ▶ Lighting protection: L-N 6KV, L(N)-FG 6KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.
- ▶ Using in LED display, LED decorative lighting and landscape engineering lighting ect.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC.60s; O/P-FG:1.5KVAC.60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	UI8750 UI1012 UI1310 UL60950
电磁兼容 EMC	ANSI.C63.4:2009 Class B



壳Case: D

功率范围 Power	50~150W
抗浪涌 / Anti Surge	6KV
外壳材质 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta

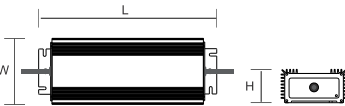


功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (%)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
50W	HQLPV50/123/12/DE1	100~277VAC	12V	4.17A Max.	±5%	≥0.95	≥86%	172x74x42.2	UL	2740726001
	HQLPV50/123/24/DE1		24V	2.1A Max.						2740726002
100W	HQLPV100/123/12/DE1	100~277VAC	12V	8.34A Max.	±5%	≥0.95	≥88%	233x74x42.2	UL	2740727001
	HQLPV100/123/24/DE1		24V	3.96A Max.						2740727002
150W	HQLPV150/123/12/DE1	100~277VAC	12V	12.5A Max.	±5%	≥0.95	≥88%	233x74x42.2	UL	2740737001
	HQLPV150/123/24/DE1		24V	6.25A Max.						2740737002



壳Case: D7

功率范围 Power	200~300W
抗浪涌 / Anti Surge	6KV
外壳材质 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (%)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
200W	HQLPV200/123/24/D7E1	100~277VAC	24V	8.4A Max.	±5%	≥0.95	≥88%	280x99x50	UL	2740736001
300W	HQLPV300/123/24/D7E1			12.5A Max.				295x99x50		2740729001

产品特点 / Product Feature

- ▶ IP67防护等级，独立安装式结构。
- ▶ 隔离电路设计，主动功率因数校正。
- ▶ 支持0/1-10V/PWM调光功能。
- ▶ 调光端口采用隔离的设计方式。
- ▶ 防雷保护：线-线6KV，线-地6KV。
- ▶ 全方位保护：过温保护，短路保护，过载保护。
- ▶ 适用于室内外0/1-10V恒压调光的LED灯具配套使用。
- ▶ IP67 waterproof design, suitable for outdoor and indoor separately installation (internal or external) applications.
- ▶ Isolation circuits design, active power factor correction.
- ▶ With 0/1-10V/PWM dimming function.
- ▶ Dimming port using isolation design.
- ▶ Lighting protection: L-N 6KV, L(N)-FG 6KV.
- ▶ All round protection: over-heat protection, short circuit protection, over-load protection.
- ▶ Using in 0/1-10V dimming control constant voltage LED light.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.875KVAC.60s; O/P-FG:1.5KVAC.60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



壳Case: D4, D

功率范围 Power	20~250W
抗浪涌 / Anti Surge	6KV
外壳材质 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	调光范围 Dimming Range	功率因数 PF (%)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
20W	HQLPV20/221/24P/D4E2	220~240VAC	24V	0.83A Max.	±5%	10%~100%	≥0.9	82%	166x63x38	-	-
40W	HQLPV40/221/24P/D4E2	220~240VAC	24V	1.66A Max.	±5%	10%~100%	≥0.9	86%	179x63x38	CCC	2740833036
60W	HQLPV60/221/24P/D4E2	220~240VAC	24V	2.5A Max.	±5%	10%~100%	≥0.9	86%	179x63x38	CCC	2740846098
100W	HQLPV100/221/24P/D4E1	220~240VAC	24V	4.17A Max.	±5%	10%~100%	≥0.95	≥88%	233x74x42.2	CCC	2740827042
150W	HQLPV150/221/24P/D4E1	220~240VAC	24V	6.25A Max.	±5%	10%~100%	≥0.95	≥88%	233x74x42.2	CCC	2740837051
250W	HQLPV250/221/24P/D4E1	220~240VAC	24V	10.42A Max.	±5%	10%~100%	≥0.95	≥88%	253x74x42.2	CCC	2740882009



壳Case: D4, D10, D30

功率范围 Power	40~400W
抗浪涌 / Anti Surge	6KV
外壳材质 / Material	铝壳 / Aluminum Case
出线方式 / Output Wire	引线-YZW橡胶线 / Rubber Cable
Ta	-40°C~50°C
Tc	90°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	调光范围 Dimming	功率因数 PF (%)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
40W	HQLPV40/123/12P/D10E3	100~277VAC	12V	3.33A Max.	±5%	5-100% dim to off	≥0.95	≥84%	250x30x21	CCC CE	-
	HQLPV40/123/24P/D10E3		24V	1.67A Max.							-
80W	HQLPV80/123/12P/D30E2	100~277VAC	12V	6.67A Max.	±5%	5-100% dim to off	≥0.95	≥87%	234x44x25	CCC CE	-
	HQLPV80/123/24P/D30E2		24V	3.33A Max.							-
150W	HQLPV150/123/12P/D30E1	100~277VAC	12V	12.5A Max.	±5%	5-100% dim to off	≥0.95	≥89%	330x44x25	CCC CE	-
	HQLPV150/123/24P/D30E1		24V	6.25A Max.							-
250W	HQLPV250/123/24P/D30E1	100~277VAC	24V	10.42A Max.	±5%	5-100% dim to off	≥0.95	≥90%	380x44x25	CCC CE	-
400W	HQLPV400/123/24P/D4E1	100~277VAC	24V	16.67A Max.	±5%	5-100% dim to off	≥0.95	≥92%	295x63x38	CCC CE	-

ICV 系列

塑壳恒压电源
PLASTIC CASE CONSTANT VOLTAGE LED DRIVERS

30~150W



AC-DMX 系列

AC输入DMX512调光电源
AC INPUT DMX512 DIMMING CONTROL LED DRIVERS

60~430W



Watran

产品特点 / Product Feature

- 隔离电路设计。
- 防雷保护, 既保护电源, 又保护光源。
- 全方位保护: 过温保护, 短路保护, 过载保护。
- 适用于LED装饰照明及室内照明灯具使用。

- Isolation circuits design.
- Lightning protection, which protects both the drive and the light source.
- All round protection: over-heat protection, short circuit protection, over-load protection.
- Using in LED decorative lighting and indoor lighting etc.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:3.75KVAC,60s; O/P-FG:1.5KVAC,60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



功率范围 Power	30W
抗浪涌 / Anti Surge	1KV
外壳材质 / Material	塑料壳 / Plastic Case
出线方式 / Output Wire	端子 / Terminal
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
30W	HQLPV30/221/12/A5E1-1	220~240VAC	12V	2.5A Max.	±5%	0.95	88%	158x44x31	CCC, CE, CB	2740832080
	HQLPV30/221/24/A5E1-1		24V	1.25A Max.						2740832079
	HQLPV30/221/36/A5E1-1		36V	0.83A Max.						-
	HQLPV30/221/48/A5E1-1		48V	0.625A Max.						-



功率范围 Power	60W
抗浪涌 / Anti Surge	1KV
外壳材质 / Material	塑料壳 / Plastic Case
出线方式 / Output Wire	端子 / Terminal
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
60W	HQLPV60/221/12/A10E1-1	220~240VAC	12V	5A Max.	±5%	0.95	88%	158x64x30.5	CCC, CE, CB	2740846107
	HQLPV60/221/24/A10E1-1		24V	2.5A Max.						2740846102
	HQLPV60/221/36/A10E1-1		36V	1.66A Max.						2740846108
	HQLPV60/221/48/A10E1-1		48V	1.25A Max.						-



功率范围 Power	100~150W
抗浪涌 / Anti Surge	1KV
外壳材质 / Material	塑料壳 / Plastic Case
出线方式 / Output Wire	端子 / Terminal
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta



功率 Power	型号 Model	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	功率因数 PF (λ)	效率 Efficiency	外型尺寸 LxWxH(mm)	认证 Certification	产品ERP编码 Product Code
100W	HQLPV100/221/12/A11E1-1	220~240VAC	12V	8.33A Max.	±5%	0.95	90%	245x48x33	CCC, CE, CB	2740847014
	HQLPV100/221/24/A11E1-1		24V	4.17A Max.						2740827054
	HQLPV100/221/36/A11E1-1		36V	2.77A Max.						-
	HQLPV100/221/48/A11E1-1		48V	2.08A Max.						-
130W	HQLPV130/221/12/A12E1-1	220~240VAC	12V	10.8A Max.	±5%	0.95	90%	250x58x38	CCC, CE, CB	2740849001
	HQLPV150/221/24/A12E1-1		24V	6.25A Max.						2740837058
	HQLPV150/221/36/A12E1-1		36V	4.16A Max.						-
	HQLPV150/221/48/A12E1-1		48V	3.125A Max.						2740837062

产品特点 / Product Feature

- 控制方式: DMX512。
- 输出类型: 恒流输出。
- 输入有防浪涌吸收, 热插拔不损坏。
- 温度智能保护, 超温降电流。
- 自动识别负载Vf值。
- 带RDM信息反馈功能(可选)。
- 自动设置地址。
- 适用于户外亮化工程灯具配套使用。

- Control mode: DMX512
- Output type: Constant current output.
- Input with anti-surge function, protection from hot-swappable.
- Intelligent protection of temperature, super heat sink current.
- Automatic identification of load Vf value.
- With RDM feedback function (optional).
- Automatic set the address.
- Apply to indoor and outdoor lighting fixtures.

执行标准 / Implementation Standards

耐压 Withstand Voltage	I/P-O/P:3.75KVAC,60s; I/P-FG:1.5KVAC,60s; O/P-FG:1.5KVAC,60s
浪涌 Surge Protection	EN61000-4-5
性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15; GB/T18595/IEC61547



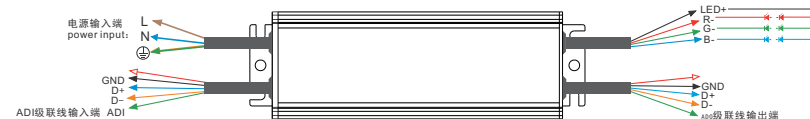
功率范围 Power	60~430W
抗浪涌 / Anti Surge	8KV
外壳材质 / Material	铁壳 / Iron Case 铝壳 / Aluminum Case
出线方式 / Output Wire	端子 / Terminal 引线 / Y-Cable
Ta	-40°C~50°C
Tc	80°C
使用寿命 / Service Life	50000h@Ta

功率 Power	型号 Model	输出路数 Channel	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	效率 Efficiency	外型尺寸 LxWxH(mm)	外壳 Case	认证 Certification	产品ERP编码 Product Code
15Wx4	HQLPC15x4/221/750MR/D21E2	4	220~240VAC	3~22V	750mA	±5%	≥80%	249x42.5x35.5	D21	-	2740831022
28Wx3	HQLPC28x3/221/1400M/D6E2	3	220~240VAC	3~20V	1400mA	±5%	≥85%	217x88x45.2	D6	-	2740862003
200W	HQLPC200/221/1050M/D4E1-1	1	220~240VAC	160~205V	1050mA	±5%	≥90%	250x63x38	D4	-	-
430W	HQLPC480/221/2100M/D7E1	1	220~240VAC	160~205V	2100mA	±5%	≥92%	286x99x50	D7	CCC	-
	HQLPC480/380/2100M/D7E1		380VAC					324x99x50			-

产品端口说明 / Connection port explain:



HQLPC15x4/221/750MR/D21E2



HQLPC28x3/221/1400M/D6E2



HQLPC200/221/1050M/D4E1-1
HQLPC480/221/2100M/D7E1
HQLPC480/380/2100M/D7E1

DC-DMX系列

DC输入DMX512调光电源
DC INPUT DMX512 DIMMING CONTROL LED DRIVERS



控制装置 CONTROL DEVICE

铝壳(Aluminum case)

IP67



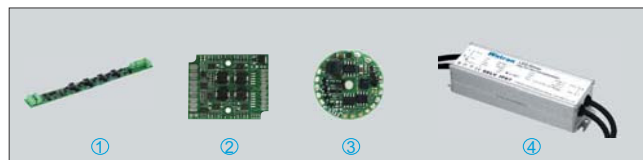
产品特点 / Product Feature

- ▶ 控制方式: DMX512.
- ▶ 输出类型: 恒流输出.
- ▶ 通讯带转发功能.
- ▶ 温度智能保护, 超温降电流.
- ▶ 输入防反接损坏.
- ▶ 适用于户内外亮化工程灯具配套使用.

- ▶ Control mode: DMX512
- ▶ Output type: Constant current output.
- ▶ Communication with repeat function.
- ▶ Intelligent protection of temperature, super heat sink current.
- ▶ Input protect from damage of misconnection.
- ▶ Appliance to indoor and outdoor lighting fixtures.

执行标准 / Implementation Standards

性能/安全 Performance/Safety	GB19510.1/IEC61347-1; GB19510.14/IEC61347-2-13; GB/T24825/IEC62384
电磁兼容 EMC	GB17625.1/IEC61000-3-2; GB17743/CISPR15



功率范围 Power	24~128W
Ta	-40°C~50°C
Tc	90°C
使用寿命/Service Life	50000h@Ta

功率 Power	型号 Model	输出路数 Channel	输入电压 Input	输出电压 Output Voltage	输出电流 Output Current	精度 Tol	效率 Efficiency	外型尺寸 LxWxH(mm)	外形 Outline	产品ERP编码 Product Code
6Wx4	HQLPC6*4/D24/330M/FE1	4	24VDC	2~20V	120~330mA	±5%	≥90%	90x24x7	①	2740217017
15Wx4	HQLP15*4/D48/1000MR/FE1	4	48VDC	4~40V	120~1000mA	±5%	≥90%	180x20x8	①	2741531001
16Wx4	HQLPC16*4/D24/800M/FE1	4	24VDC	2~20V	120~800mA	±5%	≥90%	135x20x7	①	2740277006
16Wx4	HQLPC16*4/D24/820M/FE1	4	24VDC	2~20V	120~820mA	±5%	≥90%	59x44x7	②	2740277009
24Wx4	HQLPC24*4/D24/1200M/FE1	4	24VDC	2~20V	300~1200mA	±5%	≥90%	90x50x10	②	2740224011
26W	HQLPC36/D24/1300M/FE1	1	24VDC	2~20V	300~1300mA	±5%	≥90%	Φ40x7	③	2740225022
23Wx4	HQLPC23*4/D24/1150MR/D17E1	4	24VDC	2~20V	300~1150mA	±5%	≥90%	181x40x23	④	2740272002

产品端口说明 / Connection port explain:



注: 端口位置不同型号可能会有差异。
Nnte: Port locations may vary by model.

注: 需配套户外LED恒压电源使用, 可以从OCV系列产品中挑选。恒压电源的输出端连接到DC-DMX电源的输入端。

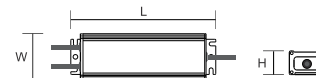
Note: Need to work with outdoor CV LED driver, which can be selected from OCV series. The output of CV driver is connected to the input of DC-DMX driver.



DALI调光控制装置 DALI dimming control device.

输入电压: DC12V-DC24V
输入信号: DALI 输出电压: 12-24VDC
全数字化电路设计, 性能更稳定。
DALI总线标准: IEC62386
标准DALI调光曲线
Operating Voltage: DC12V-DC24V
Signal input: DALI signal Output Voltage: 12-24VDC
All-digital circuit design, performance is more excellent.
Protocol: IEC62386
Standard DALI logarithmic dimming curve, smooth dimming.

IP67



型号 Model	转换方式 Conversion Mode	输入电压 Input	输出电流 Output current	精度 Tol	效率 Efficiency	外型尺寸 LxWxH(mm)	产品ERP编码 Product Code
HQLST240/D12/D-P/D2	PWM	12~24VDC	16A Max.	±5%	≥90%	109x39.4x31.4	-



调光信号转换器 (100~277VAC) Dimming signal converter

输入电压: 100-277VAC
输入信号: DALI调光信号
输出信号: on/off, 1~10V, PWM.
IP67防护等级, 独立安装式结构。
全数字化电路设计。
Input Voltage: 100-277VAC
signal input: DALI dimming signal;
signal output on/off, 1~10V, PWM;
IP67 waterproof design,
separately installation structure.
All-digital circuit design.

IP67



型号 Model	转换方式 Conversion Mode	输入电压 Input	输出电流 Output current	精度 Tol	效率 Efficiency	外型尺寸 LxWxH(mm)	产品ERP编码 Product Code
HQLST/123/D-K/D2	DALI to on/off	100~277VAC	5A Max.	±5%	>90%	149x39.4x31.4	2762299010
HQLST/123/D-V/D2	DALI to 1-10V	100~277VAC	20mA Max.	±5%	>90%	149x39.4x31.4	2762299011
HQLST/123/D-P/D2	DALI to PWM	100~277VAC	20mA Max.	±5%	>90%	109x39.4x31.4	2760299016

HQ LPC 30x2 A / 122 / 350 T / D E1 -1
(A) (B) (C) (D) (E) (F) (G) (H) (I) (J)

(A) HQ 公司 & 客户名称

Company Name

(B) LPC 电源类型

Product Type

LPC	恒流输出型	Constant Current LED Driver
LPV	恒压输出型	Constant Voltage LED Driver
LPA	RGB/RGBW并联输出型	Parallel RGB/RGBW LED Driver
LPB	RGB/RGBW串联输出型	Serial RGB/RGBW LED Driver

(C) 30x2 输出功率

Output Wattage

30	单路输出, 功率30W	Single Channel Output 12W
30x2	两路输出, 每路功率30W	Two Channel Output 30W Each Channel

(D) A 线路原理识别

Line Identification

F	非隔离方案	Non-isolated Solution
A	假多路方案	Single Channel Output with Parallel Connection
D	冗余方案	Redundant Power Supply Solution
N	无EMC方案	Non-EMC Compliant Solution
省略	常规原理方案	Conventional Principle Solutions

(E) 122 输入电压

Input Voltage

122	100-240VAC	* 具体请见下页输入电压表 Refer to Rated Input Voltage Table For Details
221	220-240VAC	
123	100-277VAC	
D24	DC24V	
D12	DC12V	

(F) 350 输出电流/电压

Output Current / Voltage

350	恒流输出 350mA	Constant Current Output 350mA
12	恒压输出 DC12V	Constant Voltage Output DC12V
300 (700/1500)	恒流输出, 三档电流选择, 通过拨码开关选择 其中一档电流输出	Constant Current Output, Three Different Current Output Achieved By Switch

(G) T 电源功能特征

Product Function Characteristic

T	支持可控硅调光	With Triac Dimming Function
P	支持PWM/1-10V调光	With PWM / 1-10V Dimming Function
D	支持DALI 通讯调光	With DALI Communication Dimming Function
A	输出电流可调	Output current can be adjusted
AP	输出电流可兼1-10V调光	Adjustable Current With 1-10V Dimming Control
C	智能通讯调光	Intelligent Communication Dimming
M	DMX512调光	DMX512 Dimming
MR	DMX512调光(带RDM反馈)	DMX512 Dimming (With RDM Feedback)
PLC	电力载波通讯	Power line Communication

(H) D 外壳类型

Case Type

A	塑料外壳 (IP20)	Plastic Case (IP20)
B	塑料外壳 (IP65)	Plastic Case (IP65)
C	金属铁壳	Iron Case
D	金属铝壳 (IP67)	Aluminum Case (IP67)
F	无外壳	Open Frame
H	压铸铝壳	Die-cast Aluminum Housing

*Refer to Function Table For Details

(I) E1 能效

Energy Efficiency

E0	无能效(能效小于3级)	No Energy Efficiency (Less Than Level III)
E1	一级能效	Level I Energy Efficiency
E2	二级能效	Level II Energy Efficiency
E3	三级能效	Level III Energy Efficiency

(J) -1/-2 产品扩展说明

Products Extensional Instructions

-1	经济型电源	Economical LED Driver
-2	低纹波电源	Low Ripple Current LED Driver

额定输入电压表

Input Voltage Table

表格一 Table 1

电压代码 Voltage Code	D12	D24	D36	D48	D14	D16	D18	D26	D38
电压 Voltage	12V	24V	36V	48V	12~24V	12~36V	12~48V	24~36V	36~48V

表格二 Table 2

电压代码 Voltage Code	120	121	122	123	220	221	222	223	224	225	380
电压 Voltage	120V	100~130V	100~240V	100~277V	220V	220~240V	220~277V	347V	480V	200~480V	380~400V