

DONE 东菱电源

全球大功率照明电源一站式品牌服务商

DONE 东菱电源

LED恒压电源 产品手册

● 各地经销商

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山东 地址:山东省济南市天桥区明湖西路777号明湖广场3-508

四川 地址:四川省成都市金牛区交大路222号10栋1层5A1号

重庆 地址:重庆市渝中区华一路69号附2号15-14#

江苏 地址:常州市天宁区北塘河路8号恒生科技园二区1幢305室

常州 地址:常州市钟楼区邹区镇工业园区

湖南 湖南省长沙市开福区洪山街道万家丽北路二段338号金鹰汇大厦503

湖北 地址:武汉市东西湖区长青办事处七雄西路12号(8)

厦门 地址:厦门市同安区西柯镇潘涂丁字街371号202室

江西 地址:江西省吉安市吉州区大桥西路2号A幢12-13号

河北 地址:河北省石家庄市长安区胜利北大街408号华北灯具城C区39号

广西 柳州市柳北区跃进路19号天元金都2单元3-3

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广东东菱电子科技有限公司
GUANGDONG DONE ELECTRONIC TECHNOLOGY CO.,LTD



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服务热线
SERVICE HOTLINE 15813163494

NO:2022.12



DONE LIGHTEN UP PLAN

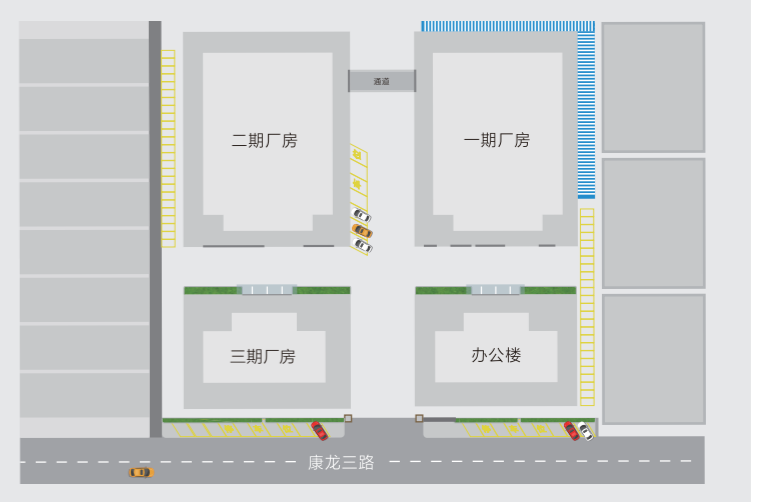
东菱点亮计划

点亮城市

点亮生活

点亮梦想

LIGHT UP THE CITY / LIGHT UP LIFE / LIGHT UP DREAMS



企业简介

广东东菱电源科技有限公司创立于2009年。经过十多年的经营发展，荣获广东省科技创新企业、广东省高新技术企业、广东工程技术研究中心、中山市工程技术研究中心等多项荣誉。目前东菱电源拥有现代标准化厂房3.8万余平方米、员工600余人，是一家集户外道路照明电源、户外亮化照明电源、植物照明电源、农业照明电源、超大功率场馆照明电源、工业照明电源产品研发、制造、销售、服务于一体的制造商。随着东菱电源市场业务范围持续的扩展。2022年，东菱电源成立广东东菱电子科技有限公司控股子公司，目标在LED景观亮化、工业控制、通信工程、医疗电子领域持续扩展，并致力于成为一家综合性电源解决方案的品牌企业。

我们始终秉承“以客户为中心，以贡献者为本，长期拼搏和奋斗不止，坚持自我提升”的经营理念作为企业的核心思想。“致力于全球电源事业发展，用我们的专业技术和优质服务为客户、员工、股东、社会创造价值”是我们的使命；“百年东菱，争创照明电源行业全球前三”是我们不懈追求的目标。

我们深知人才是企业发展壮大第一资产和核心竞争力。自公司创立以来，知人善用，汇聚了数十名在行业中具有多年研发经验的中高级电子技术工程师，使得东菱在电源研发方面具有强大的产品开发和快速验证能力，凭借在电源领域丰富的开发经验、雄厚的技术实力、严谨的质量管理、科学的产品制造，东菱电源产品一经推出便获得广大客户的一致好评。

打造高品质、高可靠性的精品电源，为行业提供更具选择价值的电源产品是东菱在产品研发上始终秉持的精神，东菱对每一款产品从技术选项、方案研发、设计验证（DVT）、质量测试（DQT）、产品验证、原材料选择、试产管控和量产上市都遵循精细化、零缺陷的高标准作业要求；公司对所有产品的关键元器件，在研发过程中均进行了全方位的应用分析、高低温及其极限试验、安规测试、EMC测试、加速老化测试等，确保电源产品的高可靠性和稳定性。

在产品方面，凭借快速、强大的研发实力及稳定的质量，公司产品相继通过了CCC、FCC、CB、PSE、TUV、CE、SAA、UL、C-tick等国内外多项产品认证，为东菱电源走向国门，远销欧美、中东、东南亚、澳大利亚、俄罗斯等一百多个国家和地区构建了有利保障。在终端应用方面，东菱电源被广泛应用于各种照明工程、市政工程、工业厂矿、体育场馆等照明产品。

在营销网络建设方面，东菱自2015年开始逐步加强自有渠道和经销渠道的建设，成立华东、华南运营中心，在宁波、常州、深圳等地设立办事处，在国内成功开发福建、扬州、温州、丹阳、河北、深圳、成都等地区的经销商，在国外成功开发巴西、俄罗斯、埃及、土耳其、越南等国家经销商，为东菱电源全球化市场布局打下坚实的基础。

东菱十分重视企业文化建设，在内部推行良好的员工福利制度，营造公平公正的发展平台，开展各种各样的企业文化活动，持续不断完善公司管理制度，努力学习行业标杆企业的先进管理经验和理念。我们诚邀有理想、有追求、有抱负、不甘平凡，愿意为梦想付诸行动的有识之士加入东菱电源，在成就自己的同时为“百年东菱”的企业目标而努力奋斗。

我们相信，在全体东菱人的共同努力下，东菱电源的明天必将如旭日东升、光耀大地！

Enterprise brief introduction

Guangdong DONE Power Technology Co.,Ltd was founded in May 2009. After more than 10 years of development, it has won many honors such as Guangdong Science and Technology Innovation Enterprise, Guangdong High tech Technology Enterprise, Guangdong Engineering Technology Research Center, Zhongshan Engineering Technology Research Center, etc. The company now has more than 38,000 square meters of modern standardized workshops and more than 600 employees.

It is a comprehensive brand enterprise integrating outdoor road lighting power supply, smart lighting power supply, plant lighting, agricultural lighting power supply, super high-power stadium lighting power supply, industrial lighting power supply research and development, manufacturing, sales and service.

We always adhere to the business philosophy of "diligence, perseverance, innovation, integrity, teamwork, and cooperation" as the core idea of the company. "Customer-centered, providing high-quality services; brand-based strategy, insisting on innovative development" is our quality policy; "providing every customer with more valuable high-power solutions" is our eternal goal. We strive to be the top three power supply manufacturers in the industry.

We know that talents are the first asset and core competitiveness for the development and growth of an enterprise. Since the establishment of the company, it has recruited talents and knowledgeable people to make good use of, and has gathered dozens of intermediate and senior electronic technical engineers with many years of research and development experience in the industry. This has enabled Done power to have strong product development and rapid verification capabilities in power supply research and development. With rich development experience, strong technical strength, rigorous quality management, and scientific product manufacturing in the field of high-power LED drive power supplies, Done power have won unanimous praise from customers as soon as they were launched.

Since 2011, Done Power has confirmed its branded business route with "DONE Power" as the main carrier. For more than ten years, the company has invested heavily in introducing advanced domestic and foreign R&D technologies, various sophisticated R&D and testing equipment, and established Innovative research center, reliability verification and intermediate technical institutions, so that Done Power has the ability to carry out the simulation test of the entire process of LED drive power R&D.

To create high-quality, high-reliability high-quality power supplies, and to provide the industry with more selective high-power LED drive power products is the spirit that Done power, it has always upheld in product research and development. Done has developed technology options and solutions for each product. , Design Verification (DVT), Quality Testing (DQT), Product Verification, Raw Material Selection, Trial Production Control, and Mass Production Listing follow high standards of refinement and zero defects; the company is developing key components for all products. In the process, a full range of application analysis, high and low temperature and its limit test, safety test, EMC test, accelerated aging test, etc. have been carried out to ensure the high reliability and stability of Done products.

In terms of products, with fast and strong R&D strength and stable quality, the company's products have successively passed CCC, FCC, CB, PSE, TUV, CE, SAA, UL, C-tick and other domestic and foreign product certifications, which are enable Power goes abroad and exported to more than 100 countries in Europe, America, the Middle East, Southeast Asia, Australia, Russia, etc. It has established a favorable guarantee. In terms of terminal applications, Done Power is widely used in various lighting projects, municipal engineering, and industrial Lighting products for factories, mines, stadiums, etc.

In terms of marketing network construction, Done has gradually strengthened the construction of its own channels and distribution channels since 2015, established East China and South China operation centers, set up offices in Ningbo, Changzhou, Shenzhen and other places, and successfully developed Fujian, Yangzhou, Distributors in Wenzhou, Danyang, Hebei, Shenzhen, Chengdu and other regions have successfully developed distributors in Brazil, Russia, Egypt, Turkey, Vietnam and other countries in abroad, laying a solid foundation for Done Power's global market layout.

Done attaches great importance to the construction of corporate culture, implements a good employee welfare system internally, creates a fair and equitable development platform, carries out various corporate cultural activities, continuously improves the company management system, and strives to learn advanced management experience from industry benchmark companies. And philosophy. We sincerely invite people of insight who have ideals, pursuits, ambitions, unwillingness to be commonplace, and are willing to act on their dreams to join Done Power, and strive for the "100-year Done Power" corporate goal while achieving their own achievements.

We believe that with the joint efforts of all Done people, the future of Done Power will surely rise like the rising sun and glorious earth!



ENTERPRISE SCENE
工厂实景



HONOR

荣誉资质

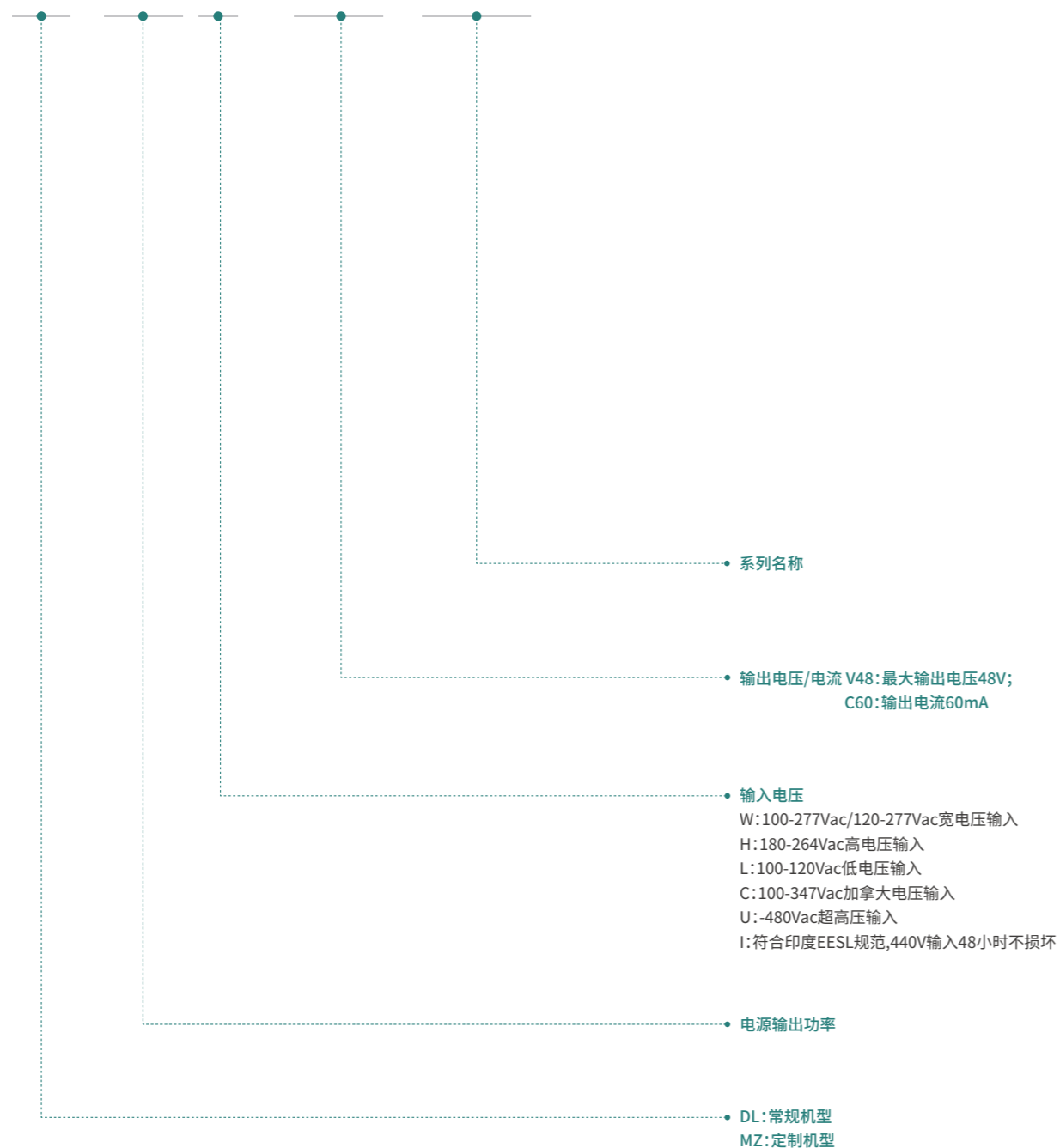
专注品质 · 用心服务
FOCUS ON QUALITY · HARD SERVICE



PRODUCT NAMING RULE

产品命名规则

DL-320 H - V48 - RXG



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户外亮化电源系列
OUTDOOR LANDSCAPE
LED DRIVER

RXG

户外防水恒压电源系列

Outdoor Waterproof Constant Voltage LED Driver Series



PRODUCT FEATURES

产品特性

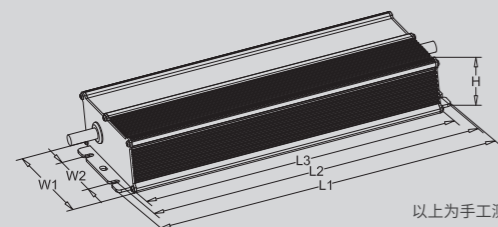
1. 额定输入电压: 200~277V
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达 $\geq 94\%$ / ≥ 0.97 高功率因素/ $\leq 10\%$ @230VAC低谐波干扰
4. 雷击浪涌: 4/6KV, 6/10KV可选配
5. 防水等级: IP67
6. 保护功能: 短路、过温、过压保护等功能
7. 东菱正品承诺, 五年质保

1. Rated input voltage: 200~277V.
2. 12V/24V/36V/48V Constant voltage output.
3. Efficiency up to 94%/High PF ≥ 0.97 /THD $< 10\%$ @230Vac.
4. Surge protection: 4/6KV, 6/10KV.
5. Protection level: IP67.
6. SCP/OTP/OVP protection.
7. Life time $> 50,000$ hrs. And 5 years warranty.



输入线材 / Input Cable
Ø7.2 H05RN-F 3x1.0mm²x300mm

输出线材 / Output Cable
Ø6.8 H05RN-F 2x1.0mm²x250mm
Ø7.6 H05RN-F 2x1.5mm²x250mm



以上为手工测量尺寸, 误差范围 ± 1 mm

装箱信息 Packing Information

单个重量 Weight	装箱重量 Packing Weight	装箱体积 Packing Volume	装箱数量 Quantity of boxes
497g	13.3kg	0.027m ³	24PCS
567g	14.6kg	0.027m ³	24PCS
685g	13.7kg	0.027m ³	18PCS
857g	14.3kg	0.027m ³	15PCS
857g	15.2kg	0.027m ³	15PCS
1120g	17.8kg	0.027m ³	15PCS
1539g	19.4kg	0.027m ³	12PCS

单压防水恒压系列

	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	PF值 (230V)	防雷等级 Lightning protection rating	规格书尺寸 Product Size
40W	DL-40H-V12-RXG	0-40W	200-277V	12V	IP67	0-3.33A	87%	0.95	4KV/6KV	90*63*32mm
	DL-40H-V24-RXG	0-40W	200-277V	24V	IP67	0-1.67A	87%	0.95	4KV/6KV	90*63*32mm
	DL-40H-V36-RXG	0-40W	200-277V	36V	IP67	0-1.11A	87%	0.95	4KV/6KV	90*63*32mm
	DL-40H-V48-RXG	0-40W	200-277V	48V	IP67	0-0.83A	87%	0.95	4KV/6KV	90*63*32mm
60W	DL-60H-V12-RXG	0-60W	200-277V	12V	IP67	0-5.0A	88%	0.96	4KV/6KV	105*63*32mm
	DL-60H-V24-RXG	0-60W	200-277V	24V	IP67	0-2.5A	88%	0.96	4KV/6KV	105*63*32mm
	DL-60H-V36-RXG	0-60W	200-277V	36V	IP67	0-1.67A	88%	0.96	4KV/6KV	105*63*32mm
	DL-60H-V48-RXG	0-60W	200-277V	48V	IP67	0-1.25A	88%	0.96	4KV/6KV	105*63*32mm
75W	DL-75H-V12-RXG	0-75W	200-277V	12V	IP67	0-6.3A	88%	0.96	4KV/6KV	138*63*32mm
	DL-75H-V24-RXG	0-75W	200-277V	24V	IP67	0-3.2A	89%	0.96	4KV/6KV	138*63*32mm
	DL-75H-V36-RXG	0-75W	200-277V	36V	IP67	0-2.1A	89%	0.96	4KV/6KV	138*63*32mm
	DL-75H-V48-RXG	0-75W	200-277V	48V	IP67	0-1.6A	89%	0.96	4KV/6KV	138*63*32mm
100W	DL-100H-V12-RXG	0-100W	200-277V	12V	IP67	0-8.4A	88%	0.96	4KV/6KV	153*63*32mm
	DL-100H-V24-RXG	0-100W	200-277V	24V	IP67	0-4.2A	89%	0.96	4KV/6KV	153*63*32mm
	DL-100H-V36-RXG	0-100W	200-277V	36V	IP67	0-2.8A	89%	0.96	4KV/6KV	153*63*32mm
	DL-100H-V48-RXG	0-100W	200-277V	48V	IP67	0-2.1A	89%	0.96	4KV/6KV	153*63*32mm
150W	DL-150H-V12-RXG	0-150W	200-277V	12V	IP67	0-12.5A	89%	0.96	4KV/6KV	186*63*32mm
	DL-150H-V24-RXG	0-150W	200-277V	24V	IP67	0-6.3A	90%	0.96	4KV/6KV	186*63*32mm
	DL-150H-V36-RXG	0-150W	200-277V	36V	IP67	0-4.2A	90%	0.96	4KV/6KV	186*63*32mm
	DL-150H-V48-RXG	0-150W	200-277V	48V	IP67	0-3.1A	90%	0.96	4KV/6KV	186*63*32mm
200W	DL-200H-V12-RXG	0-200W	200-277V	12V	IP67	0-16.7A	92%	0.97	4KV/6KV	199*63*37mm
	DL-200H-V24-RXG	0-200W	200-277V	24V	IP67	0-8.3A	93%	0.97	4KV/6KV	199*63*37mm
	DL-200H-V36-RXG	0-200W	200-277V	36V	IP67	0-5.6A	93%	0.97	4KV/6KV	199*63*37mm
	DL-200H-V48-RXG	0-200W	200-277V	48V	IP67	0-4.2A	93%	0.97	4KV/6KV	199*63*37mm
250W	DL-250H-V12-RXG	0-250W	200-277V	12V	IP67	0-20.8A	92%	0.97	4KV/6KV	199*63*37mm
	DL-250H-V24-RXG	0-250W	200-277V	24V	IP67	0-10.4A	93%	0.97	4KV/6KV	199*63*37mm
	DL-250H-V36-RXG	0-250W	200-277V	36V	IP67	0-7A	93%	0.97	4KV/6KV	199*63*37mm
	DL-250H-V48-RXG	0-250W	200-277V	48V	IP67	0-5.2A	93%	0.97	4KV/6KV	199*63*37mm
320W	DL-320H-V12-RXG	0-320W	200-277V	12V	IP67	0-26.7A	92%	0.97	4KV/6KV	230*68*37mm
	DL-320H-V24-RXG	0-320W	200-277V	24V	IP67	0-13.3A	94%	0.97	4KV/6KV	230*68*37mm
	DL-320H-V36-RXG	0-320W	200-277V	36V	IP67	0-8.9A	94%	0.97	4KV/6KV	230*68*37mm
	DL-320H-V48-RXG	0-320W	200-277V	48V	IP67	0-6.7A	94%	0.97	4KV/6KV	230*68*37mm
400W	DL-400H-V24-RXG	0-400W	200-277V	24V	IP67	0-16.67A	94%	0.97	6KV/10KV	244*83*40mm
	DL-400H-V36-RXG	0-400W	200-277V	36V	IP67	0-11.15A	94%	0.97	6KV/10KV	244*83*40mm
	DL-400H-V48-RXG	0-400W	200-277V	48V	IP67	0-8.35A	94%	0.97	6KV/10KV	244*83*40mm



全压防水恒压系列

	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	PF值 (230V)	防雷等级 Lightning protection rating	规格书尺寸 Product Size
40W	DL-40W-V12-RXG	0-40W	100-277V	12V	IP67	0-6.25A	87%	0.95	6KV/10KV	100*63*32mm
	DL-40W-V24-RXG	0-40W	100-277V	24V	IP67	0-3.15A	87%	0.95	6KV/10KV	100*63*32mm
	DL-40W-V36-RXG	0-40W	100-277V	36V	IP67	0-2.1A	87%	0.95	6KV/10KV	100*63*32mm
	DL-40W-V48-RXG	0-40W	100-277V	48V	IP67	0-1.57	87%	0.95	6KV/10KV	100*63*32mm
60W	DL-60W-V12-RXG	0-60W	100-277V	12V	IP67	0-8.35A	88%	0.95	6KV/10KV	110*63*32mm
	DL-60W-V24-RXG	0-60W	100-277V	24V	IP67	0-4.2A	88%	0.95	6KV/10KV	110*63*32mm
	DL-60W-V36-RXG	0-60W	100-277V	36V	IP67	0-2.78A	88%	0.95	6KV/10KV	110*63*32mm
	DL-60W-V48-RXG	0-60W	100-277V	48V	IP67	0-2.1A	88%	0.95	6KV/10KV	110*63*32mm
75W	DL-75W-V12-RXG	0-75W	100-277V	12V	IP67	0-12.5A	88%	0.96	6KV/10KV	143*63*32mm
	DL-75W-V24-RXG	0-75W	100-277V	24V	IP67	0-6.25A	89%	0.96	6KV/10KV	143*63*32mm
	DL-75W-V36-RXG	0-75W	100-277V	36V	IP67	0-4.17A	89%	0.96	6KV/10KV	143*63*32mm
	DL-75W-V48-RXG	0-75W	100-277V	48V	IP67	0-3.13A	89%	0.96	6KV/10KV	143*63*32mm
100W	DL-100W-V12-RXG	0-100W	100-277V	12V	IP67	0-16.7A	88%	0.96	6KV/10KV	158*63*37mm
	DL-100W-V24-RXG	0-100W	100-277V	24V	IP67	0-8.33A	89%	0.96	6KV/10KV	158*63*37mm
	DL-100W-V36-RXG	0-100W	100-277V	36V	IP67	0-5.56A	89%	0.96	6KV/10KV	158*63*37mm
	DL-100W-V48-RXG	0-100W	100-277V	48V	IP67	0-4.17A	89%	0.96	6KV/10KV	158*63*37mm
150W	DL-150W-V12-RXG	0-150W	100-277V	12V	IP67	0-20.83A	89%	0.96	6KV/10KV	191*63*37mm
	DL-150W-V24-RXG	0-150W	100-277V	24V	IP67	0-10.42A	90%	0.96	6KV/10KV	191*63*37mm
	DL-150W-V36-RXG	0-150W	100-277V	36V	IP67	0-6.95A	90%	0.96	6KV/10KV	191*63*37mm
	DL-150W-V48-RXG	0-150W	100-277V	48V	IP67	0-5.21A	90%	0.96	6KV/10KV	191*63*37mm
200W	DL-200W-V12-RXG	0-200W	100-277V	12V	IP67	0-26.67A	92%	0.97	6KV/10KV	209*63*37mm
	DL-200W-V24-RXG	0-200W	100-277V	24V	IP67	0-13.33A	93%	0.97	6KV/10KV	209*63*37mm
	DL-200W-V36-RXG	0-200W	100-277V	36V	IP67	0-8.9A	93%	0.97	6KV/10KV	209*63*37mm
	DL-200W-V48-RXG	0-200W	100-277V	48V	IP67	0-6.67A	93%	0.97	6KV/10KV	209*63*37mm
250W	DL-250W-V12-RXG	0-250W	100-277V	12V	IP67	0-33.33A	92%	0.97	6KV/10KV	227*63*37mm
	DL-250W-V24-RXG	0-250W	100-277V	24V	IP67	0-16.67A	93%	0.97	6KV/10KV	227*63*37mm
	DL-250W-V36-RXG	0-250W	100-277V	36V	IP67	0-11.15A	93%	0.97	6KV/10KV	227*63*37mm
	DL-250W-V48-RXG	0-250W	100-277V	48V	IP67	0-8.35A	93%	0.97	6KV/10KV	227*63*37mm
320W	DL-320W-V12-RXG	0-320W	100-277V	12V	IP67	0-20.83A	92%	0.97	6KV/10KV	240*68*37mm
	DL-320W-V24-RXG	0-320W	100-277V	24V	IP67	0-10.42A	94%	0.97	6KV/10KV	240*68*37mm
	DL-320W-V36-RXG	0-320W	100-277V	36V	IP67	0-6.95A	94%	0.97	6KV/10KV	240*68*37mm
	DL-320W-V48-RXG	0-320W	100-277V	48V	IP67	0-5.21A	94%	0.97	6KV/10KV	240*68*37mm
400W	DL-400W-V12-RXG	0-400W	100-277V	12V	IP67	0-26.67A	94%	0.97	6KV/10KV	254*83*40mm
	DL-400W-V24-RXG	0-400W	100-277V	24V	IP67	0-13.33A	94%	0.97	6KV/10KV	254*83*40mm
	DL-400W-V36-RXG	0-400W	100-277V	36V	IP67	0-8.9A	94%	0.97	6KV/10KV	254*83*40mm
	DL-400W-V48-RXG	0-400W	100-277V	48V	IP67	0-6.67A	94%	0.97	6KV/10KV	254*83*40mm
600W	DL-600W-V12-RXG	0-600W	100-277V	12V	IP67	0-33.33A	94.5%	0.97	6KV/10KV	265*130*45mm
	DL-600W-V24-RXG	0-600W	100-277V	24V	IP67	0-16.67A	94.5%	0.97	6KV/10KV	265*130*45mm
	DL-600W-V36-RXG	0-600W	100-277V	36V	IP67	0-11.15A	94.5%	0.97	6KV/10KV	265*130*45mm
	DL-600W-V48-RXG	0-600W	100-277V	48V	IP67	0-8.35A	94.5%	0.97	6KV/10KV	265*130*45mm



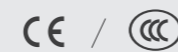
RXL
单压细长条系列
Constant Voltage Linear Led Driver

PRODUCT FEATURES

产品特性

1. 额定输入电压：200-240V
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达89%/0.96高功率因素/<10%@230VAC低谐波干扰
4. 雷击浪涌：4/6KV
5. 防水等级：IP67
6. 保护功能：短路、过温、过压保护等功能
7. 东菱正品承诺，5年质保

1. Input Voltage: 200-240Vac.
2. 12V/24V/36V/48V Constant voltage output.
3. Efficiency up to 89%/High PF>0.96/THD<10%@230Vac
4. Surge protection: 4/6KV.
5. Protection level: IP67.
6. SCP/OTP/OVP protection.
7. Life time>50,000 hrs. And 5 years warranty.



	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	PF值 (230V)	防雷等级 Lightning protection rating	规格书尺寸 Product Size
40W	DL-40H-V12-RXL	0-40W	200-240V	12V	IP65	0-3.3A	84%	0.96	4KV/6KV	135*40*30mm
	DL-40H-V24-RXL	0-40W	200-240V	24V	IP65	0-1.67A	85%	0.96	4KV/6KV	135*40*30mm
	DL-40H-V36-RXL	0-40W	200-240V	36V	IP65	0-1.1A	85%	0.96	4KV/6KV	135*40*30mm
	DL-40H-V48-RXL	0-40W	200-240V	48V	IP65	0-0.83A	85%	0.96	4KV/6KV	135*40*30mm
60W	DL-60H-V12-RXL	0-60W	200-240V	12V	IP65	0-5A	86%	0.96	4KV/6KV	145*40*30mm
	DL-60H-V24-RXL	0-60W	200-240V	24V	IP65	0-2.5A	87%	0.96	4KV/6KV	145*40*30mm
	DL-60H-V36-RXL	0-60W	200-240V	36V	IP65	0-1.67A	87%	0.96	4KV/6KV	145*40*30mm
	DL-60H-V48-RXL	0-60W	200-240V	48V	IP65	0-1.25A	87%	0.96	4KV/6KV	145*40*30mm
75W	DL-75H-V12-RXL	0-75W	200-240V	12V	IP65	0-6.25A	86%	0.96	4KV/6KV	160*40*30mm
	DL-75H-V24-RXL	0-75W	200-240V	24V	IP65	0-3.15A	88%	0.96	4KV/6KV	160*40*30mm
	DL-75H-V36-RXL	0-75W	200-240V	36V	IP65	0-2.1A	88%	0.96	4KV/6KV	160*40*30mm
	DL-75H-V48-RXL	0-75W	200-240V	48V	IP65	0-1.57A	88%	0.96	4KV/6KV	160*40*30mm



户外亮化电源系列
OUTDOOR LANDSCAPE
LED DRIVER

RXC

单压防水CQC系列

Waterproof CQC Certificated Constant Voltage Led Driver

PRODUCT FEATURES

产品特性

1. 额定输入电压: 200~240V
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达≥91%
4. 雷击浪涌: 4/6KV
5. 防水等级: IP67
6. 保护功能: 短路、过温、过压保护等功能
7. 东菱正品承诺, 五年质保

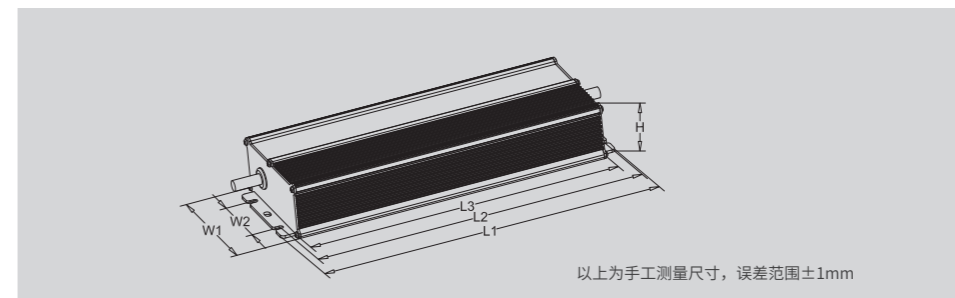
1. Rated input voltage: 200-240V.
2. 12V/24V/36V/48V Constant voltage output.
3. Efficiency up to 91%
4. Surge protection: 4/6KV.
5. Protection level: IP67.
6. SCP/OTP/OVP protection.
7. Life time>50,000 hrs. And 5 years warranty.



输入线材 / Input Cable
Ø7.2 H05RN-F 1.0mm²×300mm

输出线材 / Output Cable
Ø6.8 H05RN-F 1.0mm²×250mm
Ø7.6 H05RN-F 1.5mm²×250mm

防水等级 IP67



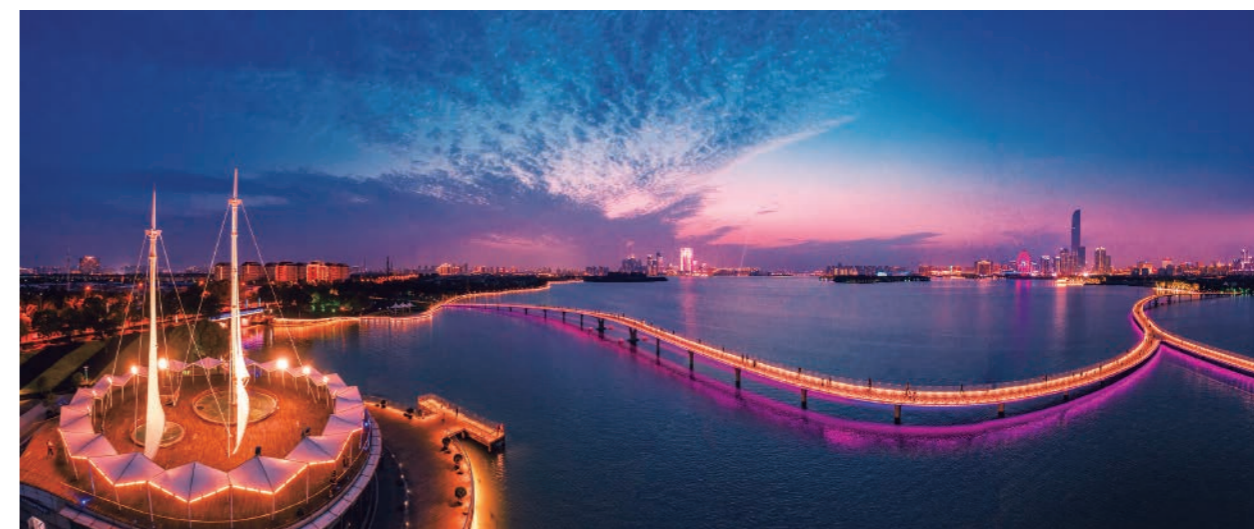
以上为手工测量尺寸, 误差范围±1mm

装箱信息 Packing Information

单个重量 Weight	装箱重量 Packing Weight	装箱体积 Packing volume	整箱数量 Quantity of boxes
497g	13.3kg	0.027m ³	24PCS
567g	14.6kg	0.027m ³	24PCS
685g	13.7kg	0.027m ³	18PCS
857g	14.3kg	0.027m ³	15PCS
857g	15.2kg	0.027m ³	15PCS
1120g	17.8kg	0.027m ³	15PCS
1539g	19.4kg	0.027m ³	12PCS

	产品型号 Model	额定功率 Rated power	额定输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	防雷等级 Lightning protection rating	产品尺寸 Product Size
100W	DL-100H-V12-RXC	0-80W	200-240V	12V	IP67	0-6.67A	88%	4KV/6KV	186*63*32mm
	DL-100H-V24-RXC	0-100W	200-240V	24V	IP67	0-4.2A	89%	4KV/6KV	186*63*32mm
	DL-100H-V36-RXC	0-100W	200-240V	36V	IP67	0-2.78A	89%	4KV/6KV	186*63*32mm
	DL-100H-V48-RXC	0-100W	200-240V	48V	IP67	0-2.1A	89%	4KV/6KV	186*63*32mm
150W	DL-150H-V12-RXC	0-120W	200-240V	12V	IP67	0-10A	89%	4KV/6KV	186*63*32mm
	DL-150H-V24-RXC	0-150W	200-240V	24V	IP67	0-6.25A	90%	4KV/6KV	186*63*32mm
	DL-150H-V36-RXC	0-150W	200-240V	36V	IP67	0-4.17A	90%	4KV/6KV	186*63*32mm
	DL-150H-V48-RXC	0-150W	200-240V	48V	IP67	0-3.13A	90%	4KV/6KV	186*63*32mm
200W	DL-200H-V12-RXC	0-160W	200-240V	12V	IP67	0-13.33A	90%	4KV/6KV	199*63*37mm
	DL-200H-V24-RXC	0-200W	200-240V	24V	IP67	0-8.33A	90%	4KV/6KV	199*63*37mm
	DL-200H-V36-RXC	0-200W	200-240V	36V	IP67	0-5.56A	90%	4KV/6KV	199*63*37mm
	DL-200H-V48-RXC	0-200W	200-240V	48V	IP67	0-4.17A	90%	4KV/6KV	199*63*37mm
250W	DL-250H-V12-RXC	0-200W	200-240V	12V	IP67	0-16.67A	90%	4KV/6KV	199*63*37mm
	DL-250H-V24-RXC	0-250W	200-240V	24V	IP67	0-10.42A	90%	4KV/6KV	199*63*37mm
	DL-250H-V36-RXC	0-250W	200-240V	36V	IP67	0-6.95A	90%	4KV/6KV	199*63*37mm
	DL-250H-V48-RXC	0-250W	200-240V	48V	IP67	0-5.21A	90%	4KV/6KV	199*63*37mm
350W	DL-350H-V12-RXC	0-300W	200-240V	12V	IP67	0-25A	91%	4KV/6KV	244*83*40mm
	DL-350H-V24-RXC	0-320W	200-240V	24V	IP67	0-13.33A	91%	4KV/6KV	244*83*40mm
	DL-350H-V36-RXC	0-320W	200-240V	36V	IP67	0-8.9A	91%	4KV/6KV	244*83*40mm
	DL-350H-V48-RXC	0-320W	200-240V	48V	IP67	0-6.67A	91%	4KV/6KV	244*83*40mm
400W	DL-400H-V12-RXC	0-360W	200-240V	12V	IP67	0-30A	91%	4KV/6KV	244*83*40mm
	DL-400H-V24-RXC	0-400W	200-240V	24V	IP67	0-16.67A	91%	4KV/6KV	244*83*40mm
	DL-400H-V36-RXC	0-400W	200-240V	36V	IP67	0-11.15A	91%	4KV/6KV	244*83*40mm
	DL-400H-V48-RXC	0-400W	200-240V	48V	IP67	0-8.35A	91%	4KV/6KV	244*83*40mm

★备注: 2023年9月新增系列。





RAB

200-240V输入防雨恒压电源系列
AC200-240V Rainproof Constant Voltage LED Driver Series

RAC

100-240V输入防雨PFC恒压电源系列
AC100-240V Rainproof PFC Constant Voltage LED Driver Series

PRODUCT FEATURES

产品特性

1. 额定输入电压：200-240V（输入电压范围为：176-264V）
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达91%
4. 雷击浪涌：4/4KV
5. 半灌胶防雨结构
6. 保护功能：短路、过温、过压保护等功能
7. 东菱正品承诺，三年质保

1. Rated input Voltage:200-240Vac(Input voltage range:176-264V).
2. 12V /24V /36V/48V Constant voltage output.
3. Efficiency up to 91%
4. Surge protection:4/4KV.
5. Semi-potted design against rain splash.
6. SCP/OTP/OVP protection.
7. Life time>30,000 hrs. And 3 years warranty.



	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	效率 Efficiency	防雷等级 Lightning protection rating	规格书尺寸 Product Size
250W	DL-250H-V12-RAB	0-250W	200-240V	12V	0-20.9A	89%	4KV/4KV	200*120*40mm
	DL-250H-V24-RAB	0-250W	200-240V	24V	0-10.4A	90%	4KV/4KV	200*120*40mm
350W	DL-350H-V12-RAB	0-350W	200-240V	12V	0-29.2A	90%	4KV/4KV	220.4*130*48mm
	DL-350H-V24-RAB	0-350W	200-240V	24V	0-14.6A	91%	4KV/4KV	220.4*130*48mm

PRODUCT FEATURES

产品特性

1. 额定输入电压：100-240V（100-264V，输入电压低于200V时带载降至50%）
2. 12V/24V/36V/48V 恒压输出
3. 效率最高可达91%/≥0.98高功率因素/THD<10%
4. 雷击浪涌：4/4KV
5. 半灌胶防雨结构
6. 保护功能：短路、过温、过压保护等功能
7. 东菱正品承诺，三年质保

1. Rated input Voltage:100-240Vac(100-264V,Derating of 50% power when input voltage under 200V).
2. 12V 24V/36V/48V Constant voltage output.
3. Efficiency up to 91%/PF≥0.98/THD<10%
4. Surge protection:4/4KV.
5. Semi-potted design against rain splash.
6. SCP/OTP/OVP protection.
7. Life time>30,000 hrs. And 3 years warranty.



	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	效率 Efficiency	PF值 (230V)	防雷等级 Lightning protection rating	规格书尺寸 Product Size
250W	DL-250H-V12-RAC	0-250W	100-240V	12V	0-20.9A	89%	0.98	4KV/4KV	200*120*40mm
	DL-250H-V24-RAC	0-250W	100-240V	24V	0-10.4A	90%	0.98	4KV/4KV	200*120*40mm
400W	DL-400H-V12-RAC	0-400W	100-240V	12V	0-33.3A	90%	0.98	4KV/4KV	220.4*130*48mm
	DL-400H-V24-RAC	0-400W	100-240V	24V	0-16.7A	91%	0.98	4KV/4KV	220.4*130*48mm



户外亮化电源系列
OUTDOOR LANDSCAPE
LED DRIVER

RAP

100-240V输入防水CLASS II类恒压电源
AC100-240V Waterproof CLASS II Constant Voltage LED Driver

PRODUCT FEATURES

产品特性

1. 输入电压：100-240V
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达90%/THD符合EN61000-3-2 CLASS A/G版本
4. 雷击浪涌：L-N:4KV
5. 防水等级：IP65
6. 保护功能：短路、过温、过压保护等功能
7. 东菱正品承诺，3年质保

1. Input Voltage:100-240Vac.
2. 12V/24V/36V/48V Constant voltage output.
3. Efficiency up to 90%/THD<10% EN61000-3-2 CLASS A /Type G:PF≥0.98.
4. Surge protection:(L-N)4KV.
5. Protection level: IP65.
6. SCP/OTP/OVP protection.
7. Life time>30,000 hrs. And 3 years warranty.



输入线材 / Input Cable
UL1015 18#AWG Ø2.8x180mm

输出线材 / Output Cable
UL1015 18#AWG Ø2.8x180mm



	产品尺寸 Product Size						装箱信息 Packing Information			
	L1	L2	L3	W1	W2	H	单个重量 Weight	装箱重量 Packing Weight	装箱体积 Packing volume	整箱数量 Quantity of boxes
8W	52mm	-mm	-mm	30mm	-mm	22mm	-g	-kg	-m ³	-PCS
12/24W	70mm	-mm	-mm	36mm	-mm	23mm	-g	-kg	-m ³	-PCS
30W	118mm	-mm	-mm	35mm	-mm	26mm	-g	-kg	-m ³	-PCS
50W	118mm	-mm	-mm	35mm	-mm	26mm	-g	-kg	-m ³	-PCS
75W	162mm	-mm	-mm	40mm	-mm	32mm	-g	-kg	-m ³	-PCS
100W	171mm	-mm	-mm	53mm	-mm	37mm	-g	-kg	-m ³	-PCS
150W	182mm	-mm	-mm	63mm	-mm	37mm	-g	-kg	-m ³	-PCS

	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	防雷等级 Lightning protection rating	规格书尺寸 Product Size
8W	DL-8W-V5-RAP	0-8W	100-240V	5V	IP65	1.60A	84%	4KV	52*30*22mm
	DL-8W-V12-RAP	0-8W	100-240V	12V	IP65	0.67A	84%	4KV	52*30*22mm
	DL-8W-V24-RAP	0-8W	100-240V	24V	IP65	0.33A	84%	4KV	52*30*22mm
16W	DL-16W-V5-RAP	0-16W	100-240V	5V	IP65	3.20A	86%	4KV	70*36*23mm
	DL-16W-V12-RAP	0-16W	100-240V	12V	IP65	1.33A	86%	4KV	70*36*23mm
	DL-16W-V24-RAP	0-16W	100-240V	24V	IP65	0.67A	86%	4KV	70*36*23mm
24W	DL-24W-V12-RAP	0-24W	100-240V	12V	IP65	2.00A	88%	4KV	70*36*23mm
	DL-24W-V24-RAP	0-24W	100-240V	24V	IP65	1.00A	88%	4KV	70*36*23mm
	DL-24W-V36-RAP	0-24W	100-240V	36V	IP65	0.67A	88%	4KV	70*36*23mm
30W	DL-30W-V12-RAP	0-30W	100-240V	12V	IP65	0-2.5A	84%	4KV	118*35*26mm
	DL-30W-V24-RAP	0-30W	100-240V	24V	IP65	0-1.3A	85%	4KV	118*35*26mm
	DL-30W-V36-RAP	0-30W	100-240V	36V	IP65	0-2.5A	85%	4KV	118*35*26mm
	DL-30W-V48-RAP	0-30W	100-240V	48V	IP65	0-1.3A	85%	4KV	118*35*26mm
50W	DL-50W-V12-RAP	0-50W	100-240V	12V	IP65	0-4.2A	86%	4KV	118*35*26mm
	DL-50W-V24-RAP	0-50W	100-240V	24V	IP65	0-2.1A	87%	4KV	118*35*26mm
	DL-50W-V36-RAP	0-50W	100-240V	36V	IP65	0-4.2A	87%	4KV	118*35*26mm
	DL-50W-V48-RAP	0-50W	100-240V	48V	IP65	0-2.1A	87%	4KV	118*35*26mm
75W	DL-75W-V12-RAP	0-75W	100-240V	12V	IP65	0-6.3A	87%	4KV	162*40*32mm
	DL-75W-V24-RAP	0-75W	100-240V	24V	IP65	0-3.1A	88%	4KV	162*40*32mm
	DL-75W-V36-RAP	0-75W	100-240V	36V	IP65	0-6.3A	88%	4KV	162*40*32mm
	DL-75W-V48-RAP	0-75W	100-240V	48V	IP65	0-3.1A	88%	4KV	162*40*32mm
100W	DL-100W-V12-RAP	0-100W	100-240V	12V	IP65	0-8.3A	88%	4KV	171*53*37mm
	DL-100W-V24-RAP	0-100W	100-240V	24V	IP65	0-4.2A	89%	4KV	171*53*37mm
	DL-100W-V36-RAP	0-100W	100-240V	36V	IP65	0-8.3A	89%	4KV	171*53*37mm
	DL-100W-V48-RAP	0-100W	100-240V	48V	IP65	0-4.2A	89%	4KV	171*53*37mm
150W	DL-150W-V12-RAP	0-150W	100-240V	12V	IP65	0-12.5A	89%	4KV	182*63*37mm
	DL-150W-V24-RAP	0-150W	100-240V	24V	IP65	0-6.3A	90%	4KV	182*63*37mm
	DL-150W-V36-RAP	0-150W	100-240V	36V	IP65	0-12.5A	90%	4KV	182*63*37mm
	DL-150W-V48-RAP	0-150W	100-240V	48V	IP65	0-6.3A	90%	4KV	182*63*37mm



户外亮化电源系列
OUTDOOR LANDSCAPE
LED DRIVER

RAS

Class II 防水调光系列

Waterproof CLASS II Dimming Constant Voltage Led Driver

PRODUCT FEATURES

产品特性

1. 额定输入电压: 100-240V
2. 12V/24V/36V/48V恒压输出
3. 效率最高可达90%/0.97高功率因素/<10%@230VAC低谐波干扰
4. 雷击浪涌: L-N:4KV
5. 防水等级: IP65
6. 保护功能: 短路、过温、过压、欠压保护等功能
7. 东菱正品承诺, 5年质保

1. Input Voltage: 100-240Vac.
2. 12V/24V/36V/48V Constant voltage output.
3. Efficiency up to 90%/High PF>0.97/THD<10%@230Vac
4. Surge protection: (L-N)4KV.
5. Protection level: IP65.
6. SCP/OTP/OVP/UVF protection.
7. Life time>50,000 hrs. And 5 years warranty.



基础版本
Standard product

DALI 2.0版本
DALI-2 Dimming Function

0-10V调光功能
0-10V Dimming Function

输入线材 / Input Cable
UL1015 18#AWG Ø2.8x180mm

输出线材 / Output Cable
UL1015 18#AWG Ø2.8x180mm



	产品尺寸 Product Size						装箱信息 Packing Information			
	L1	L2	L3	W1	W2	H	单个重量 Weight	装箱重量 Packing Weight	装箱体积 Packing volume	装箱数量 Quantity of boxes
30W	118mm	-mm	-mm	35mm	-mm	26mm	-g	-kg	-m ³	-PCS
50W	148mm	-mm	-mm	40mm	-mm	30mm	-g	-kg	-m ³	-PCS
75W	162mm	-mm	-mm	40mm	-mm	32mm	-g	-kg	-m ³	-PCS
100W	171mm	-mm	-mm	53mm	-mm	37mm	-g	-kg	-m ³	-PCS
150W	191mm	-mm	-mm	63mm	-mm	37mm	-g	-kg	-m ³	-PCS

	产品型号 Model	额定功率 Rated power	输入电压 Input Voltage	输出电压 Output Voltage	防水等级 Protection level	输出电流 Output Current	效率 Efficiency	防雷等级 Lightning protection rating	产品尺寸 Product Size
30W	DL-30W-V12-RAS	0-30W	100-240V	12V	IP65	0-2.5A	89%	4KV	118*35*26mm
	DL-30W-V24-RAS	0-30W	100-240V	24V	IP65	0-1.25A	89%	4KV	118*35*26mm
	DL-30W-V36-RAS	0-30W	100-240V	36V	IP65	0-0.83A	89%	4KV	118*35*26mm
	DL-30W-V48-RAS	0-30W	100-240V	48V	IP65	0-0.63A	89%	4KV	118*35*26mm
50W	DL-50W-V12-RAS	0-50W	100-240V	12V	IP65	0-4.2A	89%	4KV	162*40*30mm
	DL-50W-V24-RAS	0-50W	100-240V	24V	IP65	0-2.1A	89%	4KV	162*40*30mm
	DL-50W-V36-RAS	0-50W	100-240V	36V	IP65	0-1.4A	89%	4KV	162*40*30mm
	DL-50W-V48-RAS	0-50W	100-240V	48V	IP65	0-1.05A	89%	4KV	162*40*30mm
75W	DL-75W-V12-RAS	0-75W	100-240V	12V	IP65	0-6.25A	90%	4KV	162*40*30mm
	DL-75W-V24-RAS	0-75W	100-240V	24V	IP65	0-3.13A	90%	4KV	162*40*30mm
	DL-75W-V36-RAS	0-75W	100-240V	36V	IP65	0-2.15A	90%	4KV	162*40*30mm
	DL-75W-V48-RAS	0-75W	100-240V	48V	IP65	0-1.6A	90%	4KV	162*40*30mm
100W	DL-100W-V12-RAS	0-100W	100-240V	12V	IP65	0-8.3A	90%	4KV	171*53*37mm
	DL-100W-V24-RAS	0-100W	100-240V	24V	IP65	0-4.2A	90%	4KV	171*53*37mm
	DL-100W-V36-RAS	0-100W	100-240V	36V	IP65	0-2.8A	90%	4KV	171*53*37mm
	DL-100W-V48-RAS	0-100W	100-240V	48V	IP65	0-2.1A	90%	4KV	171*53*37mm
150W	DL-150W-V12-RAS	0-150W	100-240V	12V	IP65	0-12.5A	91%	4KV	183*63*37mm
	DL-150W-V24-RAS	0-150W	100-240V	24V	IP65	0-6.25A	91%	4KV	183*63*37mm
	DL-150W-V36-RAS	0-150W	100-240V	36V	IP65	0-4.2A	91%	4KV	183*63*37mm
	DL-150W-V48-RAS	0-150W	100-240V	48V	IP65	0-3.15A	91%	4KV	183*63*37mm

★备注: 2023年9月新增系列。



常见问题解答

输入电压范围 INPUT VOLTAGE RANGE

使用者看到电源上的标示输入电压范围是85-265VAC, 实际输入电压100-240VAC, 在安规认证时, 便会进行所谓加严±10%测试(IEC60950加严+6% -10%), 所以电源驱动在规格书定义的电压范围内使用上不会有问题; 电源上标示的电压范围是为了满足安规规范, 且确保正确使用电源。

When the user sees that the labeled input voltage range on the power supply is 85-265VAC, the actual input voltage is 100-240VAC. When the safety certification is conducted, the so-called strict ±10% test (IEC60950 strict + 6%-10%) will be carried out, so there will be no problem in the use of the power supply drive within the voltage range defined in the specification. The voltage range indicated on the power supply is to meet safety specifications and to ensure proper use of the power supply.

功率因数(PFC) POWER FACTOR

PFC(Power Factor Correction)功率因素校正, 主要为改善电源驱动输入端有效功率与视在功率的比值。一般不含PFC线路的机型, 其输入端的功率因子只有0.4~0.6, 而具有主动式PFC线路则可达0.95以上, 其相关式如下:

Power Factor Correction for improve the led driver ratio of effective Power and apparent Power at the input end. For products which without PFC, the power factor is only 0.4~0.6 at the input end, models which with active PFC , PF can be more than 0.95. The correlation is as follows:

视在功率 = 输入电压 x 输入电流 (VA)
有效功率 = 输入电压 x 输入电流 x 功率因素 (PF)
Apparent power = input voltage x input current (VA)
Effective power = input voltage x input current x power factor (PF)

以环保的观点: 电力公司发电厂必须产生大于视在功率的电能, 其发电机组才可以稳定供给市场电能需求, 而电能的实际使用则是有效功率。如果功率因子为0.5, 表示发电机组发出大于2VA电力, 才能安全供给电能1W的需求, 其能源运作效益差。反之, 若功率因素改善为0.95, 则电力公司发电机组只要发出大于1.06VA电力, 供给电能1W的需求便无问题, 能源的运作效益较佳。

From the viewpoint of environmental, electric power company must produce more than the apparent power, so that their generating sets can supply to market demands stable, and the actual use of power is the effective power. If the power factor is 0.5, it means that the generator set should produce more than 2VA power, can supply 1W power safety, and its energy efficiency is poor. But if the power factor was improved to 0.95, the generating set of the electric power company need produces power more than 1.06VA, the demand for supply 1W power will be enough, and the energy efficiency is better.

浪涌电流 SURGE CURRENT

交换式电源驱动在输入电源送电的瞬间会出现一短暂(1/2~1电源周期, EX:60Hz电源1/120~1/60秒)的大电流(依产品设计约为20~60A, 请参考产品承认书), 产品开机之后便恢复正常电流输入, 每次都在电源输入端送电的瞬间才会出现, 此为正常现象, 并不会造成电源驱动的损坏。但不建议持续对电源驱动开机/关机。另应注意, 如果使用多台电源驱动同时间开机时, 有可能会造成系统配电的保护开关跳脱动作, 建议多台电源供应器间延时开机, 或采用电源产品的遥控功能进行产品的顺序延时开机。

The switching power supply at the instant of the input power transmission will be a brief (1 / 2-1 power cycle, ex: 60Hz power supply 1 / 120-1 / 60 seconds) of high current (about 20-60A according to the product design, please refer to the product acknowledgment) at the moment of power transmission of the input power supply. After the product is started, the normal current input will be restored, and it will appear at the moment of power transmission at the input power supply every time. This is a normal phenomenon and will not cause the damage of power supply . However, it is not recommended to turn on / off the power supply continuously. In addition, it should be noted that if more than one power supply device is used to start up at the same time, it may cause the protection switch of system distribution to jump off. It is recommended to delay starting up among more than one power supply device, or to use the remote control function of the power product to delay starting up the product sequence.

输出电压精度 OUTPUT VOLTAGE ACCURACY

输出电压精度是指实际输出电压与额定输出电压的差值, 这个误差是由线路稳定性和负载稳定度的叠加值。通常该参数在+/-1%线路稳定度是指当输入电压在允许范围的最大值和最小值之间变化时, 输出电压偏离额定电压的百分比。负载稳定度是指当输出负载电流在允许范围的最大值和最小值之间变化时, 输出电压偏离额定电压的百分比。

Output voltage accuracy refers to the difference between the actual output voltage and the rated output voltage. This error is the superposition value of line stability and load stability. Normally this parameter at +/-1% line stability is the percentage of the output voltage that deviates from the rated voltage when the input voltage varies between the maximum and minimum allowable range. Load stability is the percentage of the output voltage that deviates from the rated voltage when the output load current varies between the maximum and minimum allowable range.

效率: 用百分比表示的总输出功率对有源输入功率的比率。即: 效率=输出功率/输入功率*100%。
Efficiency: The ratio of total output power to active input power, expressed as a percentage. That is, efficiency = output power/input power *100%.

额定功率: 指电源的最大输出功率(电压V和电流A的乘积)。
Rated power: refers to the maximum output power of the power supply (voltage V times current A).

电磁兼容性: 是指设备或系统在其电磁环境中符合要求运行并不对其环境中的任何设备产生无法忍受的电磁干扰的能力。
Electromagnetic compatibility (EMC) : the ability of a device or system to operate as required in its electromagnetic environment without producing intolerable EMI to any device in its environment.

EMC包括EMI(电磁干扰)及EMS(电磁耐受性)两部分, 所谓EMI电磁干扰, 为开关电源传导或辐射的有害能量。而EMS指开关电源在执行应有功能的过程中不受周围电磁环境影响的能力。
EMC includes EMI(electromagnetic interference) and EMS(electromagnetic tolerance). The so-called EMI electromagnetic interference refers to the harmful energy transmitted or radiated by the switching power supply. And EMS refers to the ability of the switching power supply to be unaffected by the surrounding electromagnetic environment in the process of performing its due functions.

纹波: 由于直流稳定电源一般是由交流电源经整流稳压等环节而形成的, 这就不可避免地在直流稳定量中多少带有一些交流成份, 这种叠加在直流稳定量上的交流分量就称之为纹波。
Ripple: as the dc stable power supply is generally formed by the ac power supply through rectifying and voltage stabilizing links, it is inevitable that there are more or less ac components in the dc stable power. The ac component superimposed on the dc stable power is called ripple.

输出纹波和噪声: 在规定的带宽内, 开关电源输出交流电压的幅度, 通常用毫伏级的峰峰值或RMS值表示。
Output ripple and noise: the amplitude of the output ac voltage from the switching power supply within a specified bandwidth, usually expressed as a millivolt level peak-to-peak or RMS value.

总谐波失真: 是指用信号源输入时, 输出信号(谐波及其倍频成分)比输入信号多出的额外谐波成分, 通常用百分数来表示。一般说来, 1000Hz频率处的总谐波失真最小, 因此不少产品均以该频率的失真作为它的指标。所以测试总谐波失真时, 是发出1000Hz的声音来检测, 这一个值越小越好。
Total Harmonic Distortion is refers to the signal source input, the output signal (harmonic and its frequency doubling component) than the input signal of the additional harmonic component, usually expressed as a percentage. Generally speaking, the total harmonic distortion of this frequency of 1000Hz is the smallest, so many products take the distortion of this frequency as its index. So the test for total harmonic distortion is 1000Hz sound, and the smaller the better.

过冲和下冲: 过冲就是第一个峰值或谷值超过设定电压——对于上升沿是指最高电压, 而对于下降沿是指最低电压。下冲是指下一个谷值或峰值。过分的过冲能够引起保护二极管工作, 导致过早地失效。过分的下冲能够引起假的时钟或数据错误。
Overshoot and undershoot: Overshoot is when the first peak or valley value exceeds the set voltage -- the highest voltage for the rising edge and the lowest voltage for the falling edge. Undershoot is the next valley or peak. Excessive overshoot can cause the protective diode to work, leading to premature failure. Excessive undershoot can cause false clock or data errors.

工作环境温度开关电源可以合理的电气指标和稳定性工作的温度范围。除非规定如此, 否则不要认为开关电源在整个的温度范围内都可以输出满功率, 也不是说开关电源在整个工作温度范围内都能保持同样的电气指标。
Working environment temperature switch power supply can be reasonable electrical indicators and stability of the working temperature range. Unless specified otherwise, do not assume that the switching power supply can output full power throughout the temperature range, nor that the switching power supply can maintain the same electrical specifications throughout the operating temperature range.

PWM: 脉冲宽度调制: 一种开关电源使用的电压调整方法, 指仅通过改变脉冲序列的周期和占空比。
Pulse Width Modulation (PWM) : a method of voltage regulation used in switching power supplies by simply changing the period and duty cycle of the pulse train.