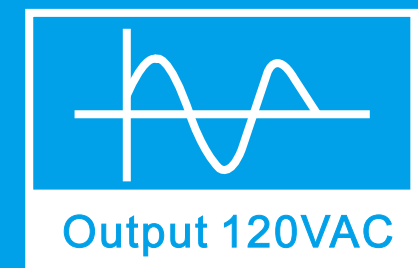


LED EMERGENCY DRIVER
10+ years focus on research and development



CONTACT

Address:Block E, Roptex Ind. Park, 152 Jingfang Road, Baoan

Dist., Shenzhen City, GD province, China, 518103

Tel:Technical Support +86 159 1988 3924/Sales +86 191 2936 2965

E-mail:judy@szkvd.com

Official website:www.szkvd.com

Shenzhen KANG YUAN OF Technology Co., Ltd



COMPANY PROFILE

Shenzhen KANG YUAN OF Technology Co.,Ltd.was established in 2008.As a domestic company That only focus on the research and development toward production of LED lighting emergency conversion kit ,committed to professional technology of high quality products.

KEEP ON GROWING PURSUIT OF EXCELLENCE

Our LED lighting emergency conversion kit used batteries (such as Ni-Cd,Ni-Mh,Li-ion and Li-FeP04 rechargeable batteries).The emergency conversion kit circiut adopts intelligent MCU control,multifunctional full power emergency solution ,auto power reduction energy saving emergency solution,dimming emergency solution,DOB light and linear light strip emergency solution,Emergency runtime up to 1-5H



Annual Guangzhou International Lighting Exhibition



Eu.Agent Support



Technical Support



Exhibition Support

Shenzhen KANG YUAN OF Technology Co., Ltd

Energy saving up of 50%. Compatible to constant voltage and constant current LED lighting products, Our products have UL,BC,FCC,CE,CB,RCM-SAA,UKCA,RoHS certificates as well as MSDS,Air and Sea transportation documents,hot selling in global markets,Our products have a wide range of applications, applicable for construction sites,stations,garages,subway stations,schools, shopping, malls,off ices, hotels,factories and other environments.

KVD as an emergency light power supply manufacturer in the LED lighting ,focusing on exploring new technical products providing efficient ,energy-saving product,technical support services and best after sales services.On the road to success we will work hand in hand with you to create the better future.

Company concept: working through service,developing through quality,reliable management , unity and cooperation,keep on growing,pursuit of excellence,and achieving win-win result.

COMPANY'S DEVELOPMENT JOURNEY **KVD®**



FOCUS ON THE RESEARCH & DEVELOPMENT PRODUCT AND SALES OF EMERGENCY LED DRIVER

The new KVD-SM-XXW-YYY product has obtained UL certification. We have maintained a strong presence at the Hong Kong Lighting Fair and CNLL, while continuing to deepen our engagement at the GILE. Annual turnover has increased by 30% year-on-year.

2024



Successfully obtained UL certification, expanded promotional efforts at international lighting exhibitions, achieved a 30% year-on-year increase in annual turnover, and maintained continuous investment in research and development.

2022



Continued participation in international lighting exhibitions, advancing certifications including TÜV, CE, and CB. Established European agents in the same year, achieving a 30% year-on-year increase in annual turnover. Launched the new product KVD188L.

2018



The company upgraded its organisational structure, establishing an integrated model encompassing R&D, production and sales while advancing exhibition marketing. It obtained CE certification and launched the new KVD188M product in the same year.

2014



The company has been formally established, representing IC brands while concurrently providing MCU technical solutions.

2008



2012



In response to market demand, we have entered the emergency lighting sector and launched the KVD188D, initiating independent research, development and production.

2016



Strengthen marketing efforts at international lighting exhibitions, increase investment in research and development alongside new product launches, drive technological advancement, and introduce the ultra-slim emergency solution KVD188T.

2023



KVD188T has obtained Australian SAA-RCM certification; in the same year, increased investment in North American UL certification was made, alongside participation in the HK Fair and CNLL, while continuing to cultivate the GILE.

New products KVD188C and KVD188S have commenced certification processes for TUV-CB and SAA-RCM, targeting expansion into European and Australian markets. Continued promotion will be undertaken at international lighting exhibitions in Ningbo, Hong Kong, and Guangzhou, alongside establishing an agency in Zhongshan, the Lighting Capital.

2025



Complete certification systems including UL, CSA, CB, CE, UKCA, and SAA-RCM, and will expand its regional agency to cover markets across Europe, Australia, the Middle East, South America, and North America. Further improvements will be made to local warehousing facilities and after-sales service.

2029



CERTIFICATES



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2213930-0
Report Reference E524059-20220331
Date 5-Apr-2022

Issued to: SHENZHEN KANG YUAN OF TECHNOLOGY CO.,LTD
 3rd Floor, Building 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu, Heping Community, Fuhai Sub-District, Bao'an District Shenzhen, Guangdong 518100 China

This is to certify that representative samples of FTBR7 - Emergency Lighting and Power Equipment
 See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 924, 10th Ed., Issue Date: 2016-05-09, Revision Date: 2020-05-05

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.
 Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.
 Look for the UL Certification Mark on the product.

B. Mahomed
 Bruce Mahomed, Director North American Certification Program
 UL LLC
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at UL@ul.com or www.ul.com

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2213273-0
Report Reference E524059-20220331
Date 5-Apr-2022

Issued to: SHENZHEN KANG YUAN OF TECHNOLOGY CO.,LTD
 3rd Floor, Building 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu, Heping Community, Fuhai Sub-District, Bao'an District Shenzhen, Guangdong 518100 China

This is to certify that representative samples of FTBR7 - Emergency Lighting and Power Equipment
 Certified for Canada
 See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 NO. 141-15, 5th Ed., Issue Date: 2015-06-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.
 Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.
 Look for the UL Certification Mark on the product.

B. Mahomed
 Bruce Mahomed, Director North American Certification Program
 UL LLC
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at UL@ul.com or www.ul.com

Ref. Cert. No.
DE 2-031537

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product LED Emergency Device

Name and address of the applicant Shenzhen KANG YUAN OF Technology Co., Ltd
 3F, Bldg 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu, Heping Community, Fuhai Dist, Bao'an Dist, Shenzhen, 518000 Guangdong, P.R. China

Name and address of the manufacturer Shenzhen KANG YUAN OF Technology Co., Ltd
 3F, Bldg 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu, Heping Community, Fuhai Dist, Bao'an Dist, Shenzhen, 518000 Guangdong, P.R. China

Name and address of the factory Shenzhen KANG YUAN OF Technology Co., Ltd
 3F, Bldg 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu, Heping Community, Fuhai Dist, Bao'an Dist, Shenzhen, 518000 Guangdong, P.R. China

Ratings and principal characteristics See 2nd page of this certificate

Trademark (if any) KVD

Customer's Testing Facility (CTF) Stage used N/A

Model / Type Ref. KVD188B, KVD188T, KVD188M, KVD188L

Additional information (if necessary may also be reported on page 2) See also test report ref no. 0303080 001.

As shown in the Test Report Ref. No. which forms part of this Certificate 0303080 001

This CB Test Certificate is issued by the National Certification Body

TÜV Rheinland LGA Products GmbH
 TÜV Rheinland LGA Products GmbH
 Tillystraße 2, 90431 Nürnberg, Germany
 Fax: +49 911 890-310
 Email: cert@tuev.com
 Web: www.tuev.com

Date: 2021-06-23 Signature: Guoping Zheng

CERTIFICATE of Conformity

IEC Council Directive 2014/30/EU
Electromagnetic Compatibility

Registration No.: AE 50512686 0001
Report No.: NN20E5TB 001

Holder: Shenzhen KANG YUAN OF Technology Co., Ltd
 3F, Bldg 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu Heping Community, Fuhai Dist, Bao'an Dist, Shenzhen 518000 Guangdong P.R. China

Product: Emergency Illumination Device (LED Emergency Drive)

Identification: Type Designation: KVD188B KVD188T KVD188M KVD188L
 Serial No.: n.a.
 Remark: Refer to above-listed test report for details.

Tested acc. to: EN IEC 55015:2014+11
 EN 61347:2019
 EN 61000-3-2:2014
 EN 61000-3-3:2013+A1

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/30/EU.
 This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Date: 23.07.2021
 TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
 Certification Body
Tougle Lee
 Dipl.-Ing. (FH) S. O. Steins

The CE marking may only be used if all relevant and effective EC Directives are complied with.

CERTIFICATE of Conformity

Low Voltage Directive 2014/35/EU

Registration No.: AN 50509441 0001
Report No.: NN20FZMY 001

Holder: Shenzhen KANG YUAN OF Technology Co., Ltd
 3F, Bldg 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu Heping Community, Fuhai Dist, Bao'an Dist, Shenzhen 518000 Guangdong P.R. China

Product: Emergency Illumination Device (LED Emergency Drive)

Identification: Type Designation: KVD188B KVD188T KVD188M KVD188L
 Serial No.: n.a.
 Remark: refer to test report NN20FZMY 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Date: 06.07.2021
 TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
 Certification Body
Tougle Lee
 Dipl.-Ing. (FH) S. O. Steins

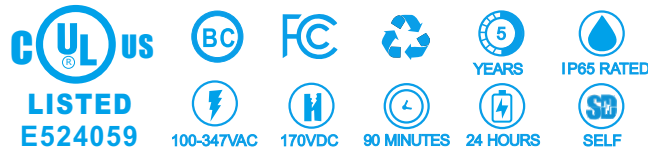
The CE marking may only be used if all relevant and effective EC Directives are complied with.

产品描述 | Product Description

- ① Ideal smart's emergency converter kit, compatible with all brands of dimmable LED drivers
理想智能型的应急转换器套件，可兼容所有品牌的调光LED驱动
- ② Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- ③ It only takes 5 minutes for a product to be fully installed. (UFO high bay light emergency Conversion kit)
只需要5分钟就能安装完一个产品 (UFO工矿灯应急电源)
- ④ Compatible with all 0/1-10V dimmable LED drivers, power reduction emergency by PWM.
兼容所有0/1-10V调光LED驱动通过PWM降功率应急，应急功率不能低于灯具功率的10%



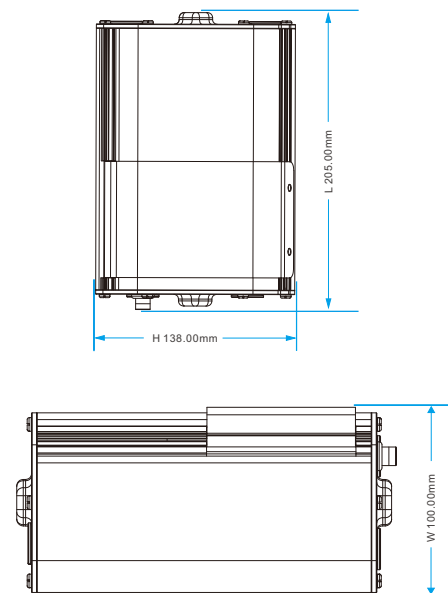
Fast installation, Labor saving



型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装4个	CTN/Size(cm) 外箱尺寸
KVD-EMUFO-XXW-170	Output 25 watts and runtime 1.5 hours	4400mA 14.8V Li-ion	≤200W	L205*W100*H130	3.3KG	4pcs	42*32*24.5
KVD-EMUFO-XXW-170	Output 30 watts and runtime 1.5 hours	5200mA 14.8V Li-ion	≤240W	L205*W100*H130	3.5KG	4pcs	42*32*24.5
KVD-EMUFO-XXW-170	Output 40 watts and runtime 1.5 hours	5000mA 18.5V Li-ion	≤320W	L205*W100*H130	3.5KG	4pcs	42*32*24.5

产品尺寸图 | Product Measurement



KVD®
应急电源自动节能
EMERGENCY DRIVER
AUTOMATIC ENERGY SAVING
www.szkd.com

With 50-320W
UFO high bay
lamps of all brands
带所有品牌的UFO
工矿灯50W-320W

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC, 50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	25W/30W/40W
电池组电压/容量	Battery Pack Voltage/Capacity	14.8V 2.5A/4.4A/5A/ 18.5V 5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC170V
应急转换时间	Emergency Transfer	< 2 Second
应急持续时间	Emergency Runtime	> 95Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	350mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L205*W100*H138mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

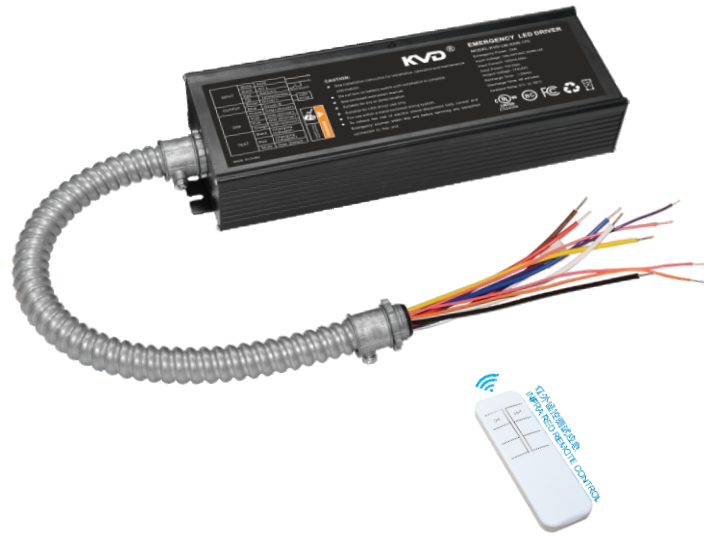
- ① Listed North America UL, BC certifications
- ② Comply UL924 ordinances, CSA C22.2 No. 141 in-site assembly
- ③ Perfectly matched for all brands 0/1-10V dimming functions Constant current driver
- ④ With infrared remote control and emergency function
- ⑤ Constant power output
- ⑥ High voltage output
- ⑦ Low energy consumption complies with CEC standards
- ⑧ Charging and dis-charging protection function and over heat temp. protection
- ⑨ **Battery zero power consumption under static state**
- ⑩ Mock-up electricity pause emergency testing function
- ⑪ Can be power off under emergency status
- ⑫ Indication light: mains electricity
- ⑬ Seasonal self detect function
- ⑭ Protection functions: over voltage, short circuit, over load and open circuit
- ⑮ Metal housing, comply EMC, FCC and C tick ordinances
- ⑯ IP grade: IP65
- ⑰ We obtained international air and sea transportation documents

产品优点

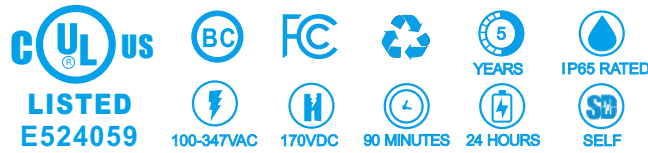
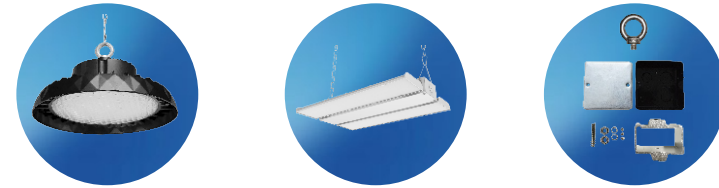
- ① 获得北美市场认可的UL认证
- ② 符合UL924标准，测试符合CSA C22.2 NO.141现场或工厂安装
- ③ 完美匹配所有品牌的0/1-10V调光功能恒流驱动电源
- ④ 带红外遥控应急功能
- ⑤ 恒功率输出
- ⑥ 高电压输出
- ⑦ 低能耗符合CEC标准
- ⑧ 电池有充放电保护功能，过温保护
- ⑨ **静态下电池0功耗**
- ⑩ 模拟停电测试应急功能
- ⑪ 可关闭应急功能
- ⑫ 指示灯显示：市电
- ⑬ 自检/季度自检功能
- ⑭ 保护功能：过压保护，短路保护，过载保护，开路保护
- ⑮ 金属外壳，符合EMC, FCC, C tick安规要求
- ⑯ IP等级：IP65
- ⑰ 我们取得了国际空运海运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of dimmable LED drivers
智能的应急转换器套件, 可兼容所有品牌的调光LED驱动
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具
- Compatible with all 0/1-10V dimmable LED drivers, power reduction emergency by PWM.
兼容所有0/1-10V调光LED驱动通过PWM降功率应急, 应急功率不能低于灯具功率的10%



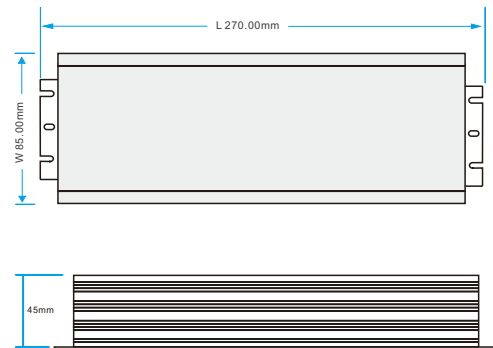
Application



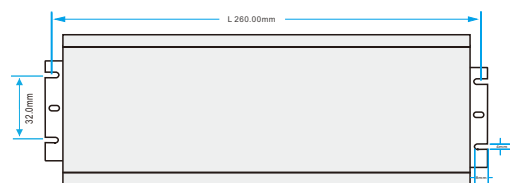
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD-EM-XXW-170	Output 15 watts and runtime 1.5 hours	2500mA 14.8V Li-ion	≤100W	L270*W85*H45	1.4KG	10pcs	42*32*24.5
KVD-EM-XXW-170	Output 25 watts and runtime 1.5 hours	4400mA 14.8V Li-ion	≤200W	L270*W85*H45	1.6KG	10pcs	42*32*24.6
KVD-EM-XXW-170	Output 40 watts and runtime 1.5 hours	5000mA 18.5V Li-ion	≤320W	L270*W85*H45	1.8KG	10pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



KVD®
应急电源自动节能
EMERGENCY DRIVER
AUTOMATIC ENERGY SAVING
www.szkd.com

With 50-320W
UFO high bay
lamps of all brands
带所有品牌的UFO
工矿灯50W-320W

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC, 50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	15W/20W/25W/30W/40W
电池组电压/容量	Battery Pack Voltage/Capacity	14.8V 2.5A/4.4A/5A/ 18.5V 5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC170V
应急转换时间	Emergency Transfer	< 2 Second
应急持续时间	Emergency Runtime	> 95Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	350mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L308*W62*H42mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

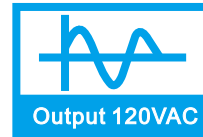
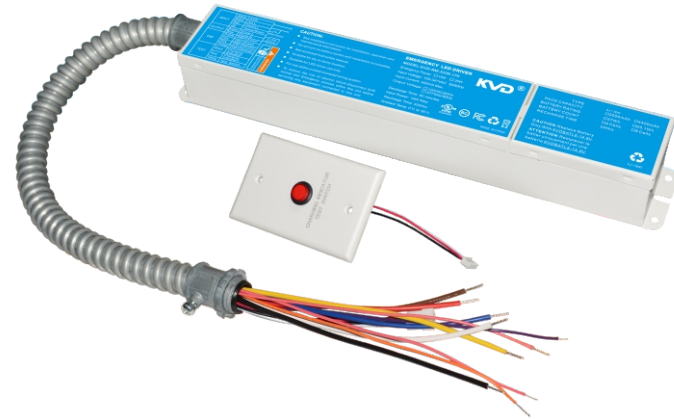
- Listed North America UL, BC certifications
- Comply UL924 ordinances, CSA C22.2 No. 141 in-site assembly
- Perfectly matched for all brands 0/1-10V dimming functions Constant current driver
- With infrared remote control and emergency function
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state**
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: mains electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC, FCC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

- 获得北美市场认可的UL认证
- 符合UL924标准, 测试符合CSA C22.2 NO.141现场或工厂安装
- 完美匹配所有品牌的0/1-10V调光功能恒流驱动电源
- 带红外遥控应急功能
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗**
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, FCC, C tick安规要求
- IP等级: IP20
- 我们取得了国际空运文件

产品描述 | Product Description

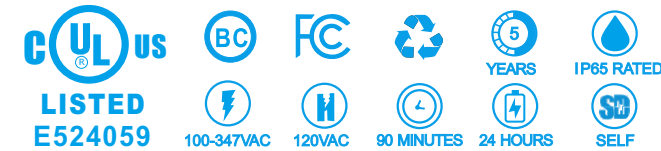
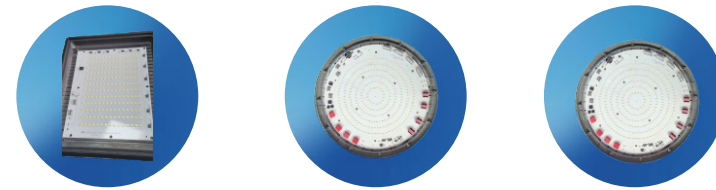
- ◎ The Ideal emergency converter kit leading the industry-New product
领先行业的理想形应急转换器套件-新品
- ◎ Compatible with all brands of dimmable LED luminaires and DOB solution luminaires
兼容所有品牌的可调光LED灯具和DOB方案灯具
- ◎ Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。



Compatibility :0-10V/
SCR /DOB(linear) lamps



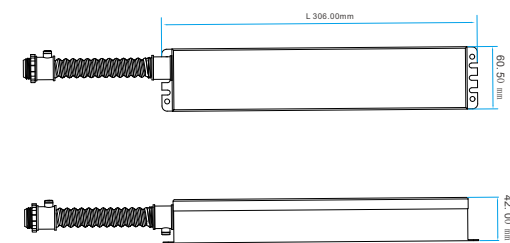
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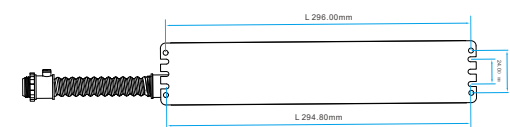
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD-RM-XXW-AC	Output 15 watts and runtime 1.5 hours	3350mA 11.1V Li-ion	≤100W	L306*W60.6*H42	1.6KG	10pcs	45.5*36*27
KVD-RM-XXW-AC	Output 20 watts and runtime 1.5 hours	4400mA 11.1V Li-ion	≤150W	L306*W60.5*H42	1.6KG	10pcs	45.5*36*27
KVD-RM-XXW-AC	Output 25 watts and runtime 1.5 hours	6700mA 11.1V Li-ion	≤200W	L306*W60.6*H42	1.6KG	10pcs	45.5*36*27

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



KVD®
应急电源自动节能
EMERGENCY DRIVER
AUTOMATIC ENERGY SAVING
www.szkd.com

With 50-200W
dimming lamps
and DOB Lights
带所有品牌的DOB
灯具和调光灯具

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC,50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-200W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	15W/20W/25W
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V 3.35A/4.4A/6.7A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	AC120V/50-60Hz (277VAC/60Hz)
应急转换时间	Emergency Transfer	< 2 Second
应急持续时间	Emergency Runtime	> 95Minutes,Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	350mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L310*W52*H42mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

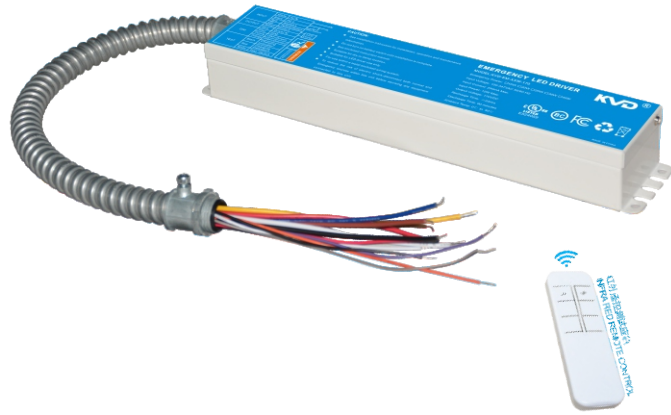
- ◎ Listed North America UL,BC certifications
- ◎ Comply UL924 ordinances, CSA C22.2 No.141 in-site assembly
- ◎ Perfectly matched for all brands of 0/1-10V dimming constant current driver ,DOB solution luminaires.
- ◎ With infrared remote control and emergency function
- ◎ Constant power output
- ◎ High voltage output
- ◎ Low energy consumption complies with CEC standards
- ◎ Charging and dis-charging protection function and over heat temp. protection
- ◎ **Battery zero power consumption under static state**
- ◎ Mock-up electricity pause emergency testing function
- ◎ Can be power off under emergency status
- ◎ Indication light: mains electricity
- ◎ Seasonal self detect function
- ◎ Protection functions: over voltage, short circuit, over load and open circuit
- ◎ Metal housing, comply EMC, FCC and C tick ordinances
- ◎ IP grade: IP20
- ◎ We obtained international air and sea transportation documents

产品优点

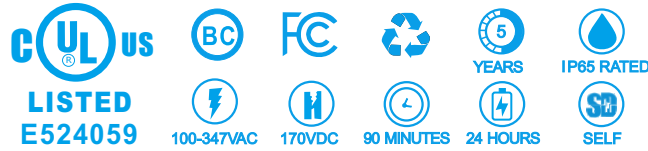
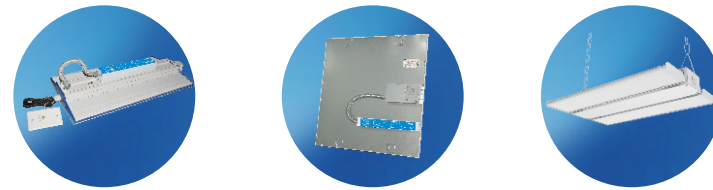
- ◎ 获得北美市场认可的UL认证
- ◎ 符合UL924标准，测试符合CSA C22.2 NO.141现场或工厂安装
- ◎ 完美匹配所有品牌的0/1-10V调光功能恒流驱动电源和DOB方案的灯具
- ◎ 带红外遥控应急功能
- ◎ 恒功率输出
- ◎ 高电压输出
- ◎ 低能耗符合CEC标准
- ◎ 电池有充放电保护功能，过温保护
- ◎ **静态下电池0功耗**
- ◎ 模拟停电测试应急功能
- ◎ 可关闭应急功能
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- ◎ 金属外壳，符合EMC, FCC, C tick安规要求
- ◎ IP等级：IP20
- ◎ 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of dimmable LED drivers
智能的应急转换器套件，可兼容所有品牌的调光LED驱动
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具
- Compatible with all 0/1-10V dimmable LED drivers, power reduction emergency by PWM.
兼容所有0/1-10V调光LED驱动通过PWM降功率应急，应急功率不能低于灯具功率的10%



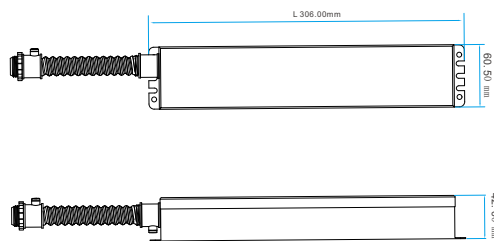
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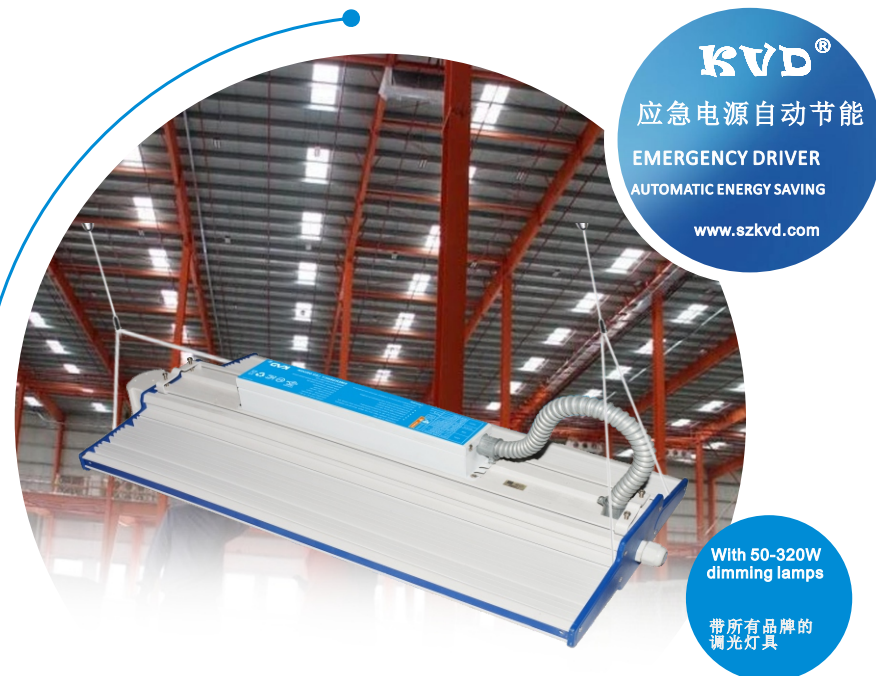
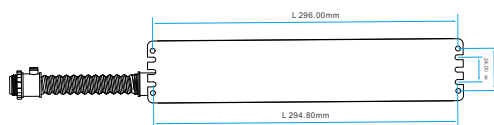
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD-EM-XXW-170	Output 15 watts and runtime 1.5 hours	2500mA 14.8V Li-ion	≤100W	L306*W60.6*H42	1.4KG	10pcs	42*32*24.5
KVD-EM-XXW-170	Output 30 watts and runtime 1.5 hours	5200mA 14.8V Li-ion	≤200W	L306*W60.5*H42	1.6KG	10pcs	42*32*24.6
KVD-EM-XXW-170	Output 40 watts and runtime 1.5 hours	5000mA 18.5V Li-ion	≤320W	L306*W60.6*H42	1.8KG	10pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



KVD
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EMERGENCY DRIVER
AUTOMATIC ENERGY SAVING
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With 50-320W dimming lamps
带所有品牌的调光灯具

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC, 50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	15W/20W/25W/30W/40W
电池组电压/容量	Battery Pack Voltage/Capacity	14.8V 2.5A/4.4A/5A/ 18.5V 5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC170V
应急转换时间	Emergency Transfer	< 2 Second
应急持续时间	Emergency Runtime	> 95Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	350mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L308*W62*H42mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

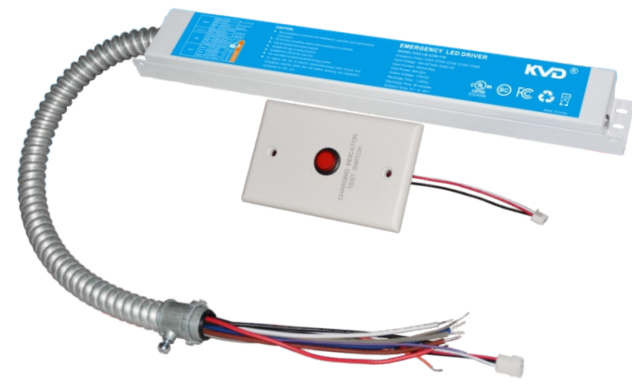
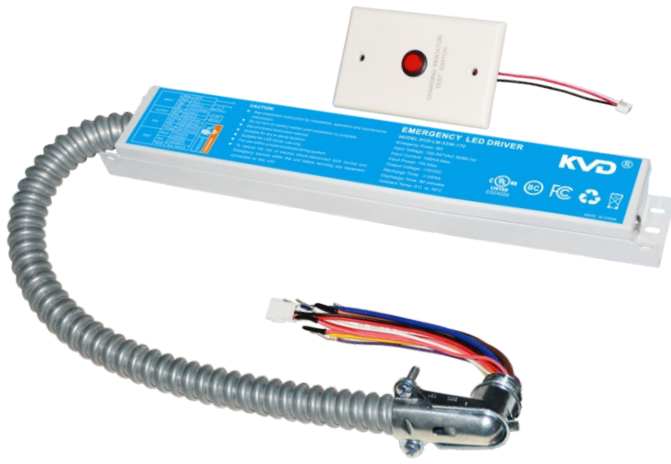
- Listed North America UL, BC certifications
- Comply UL924 ordinances, CSA C22.2 No. 141 in-site assembly
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- With infrared remote control and emergency function
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state**
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: mains electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC, FCC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

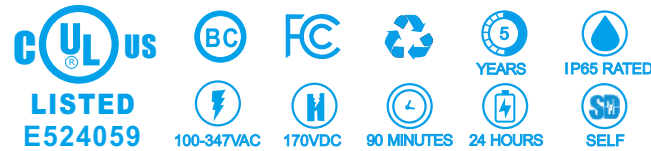
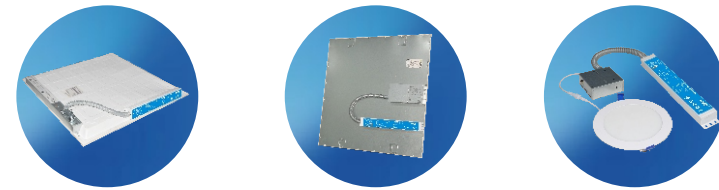
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- 符合UL924标准，测试符合CSA C22.2 NO.141现场或工厂安装
- 完美匹配所有品牌的0/1-10V调光功能恒流驱动电源和
- 带红外遥控应急功能
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
- 静态下电池0功耗**
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产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of dimmable LED drivers
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- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具
- Compatible with all 0/1-10V dimmable LED drivers, power reduction emergency by PWM.
兼容所有0/1-10V调光LED驱动通过PWM降功率应急, 应急功率不能低于灯具功率的10%



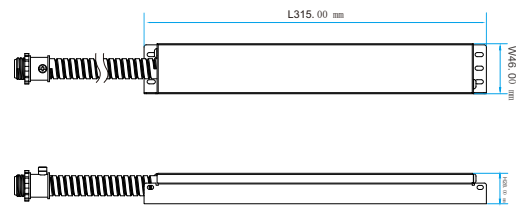
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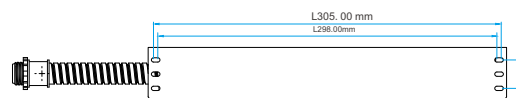
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD-LM-XXW-170	Output 8 watts and runtime 1.5 hours	2500mA 7.4V Li-ion	≤72W	L315*W45*H28	1.2KG	10pcs	45.4*36*27
KVD-LM-XXW-170	Output 15watts and runtime 1.5 hours	2500mA 14.8V Li-ion	≤100W	L315*W45*H28	1.3KG	10pcs	45.4*36*27

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC, 50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	20W-100W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	8W/15W
电池组电压/容量	Battery Pack Voltage/Capacity	7.4V 2.5A/14.8V 2.5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC170V
应急转换时间	Emergency Transfer	< 2 Second
应急持续时间	Emergency Runtime	> 95Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	350mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L315*W45*H28mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

- Listed North America UL, BC certifications
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- Perfectly matched for all brands 0/1-10V dimming functions Constant current driver
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- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

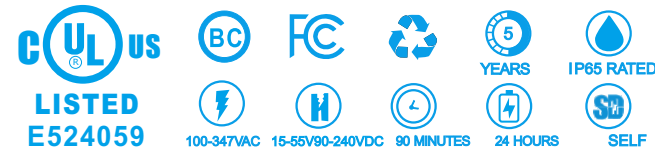
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- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
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- 模拟停电测试应急功能
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产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED drivers
智能的应急转换器套件，可兼容所有品牌的LED驱动
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节能高效率输出，非常节省电池成本。
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适用于多种类型的照明LED灯具



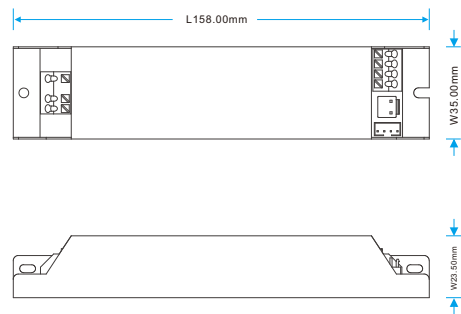
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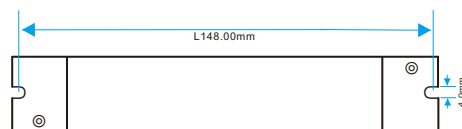
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD-SM-XXW-YYY	Output 4 watts and runtime 1.5 hours	2000mA 6.4V Li-FeP04	≤40W	C:L158*W35*H23.5 B:L100*W37*H22	0.4KG	20pcs	42*32*24.5
KVD-SM-XXW-YYY	Output 6watts and runtime 1.5 hours	3000mA 6.4V Li-FeP04	≤60W	C:L158*W35*H23.5 B:L170*W37*H22	0.5KG	20pcs	42*32*24.5
KVD-SM-XXW-YYY	Output 8 watts and runtime 1.5 hours	3000mA 6.4V Li-FeP04	≤80W	C:L158*W35*H23.5 B:L170*W37*H22	0.5KG	20pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC, 50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	4W/6W/8W
电池组电压/容量	Battery Pack Voltage/Capacity	6.4V 2A,3A,
电池种类	Battery types	Li-FeP04 / Lithium Iron Phosphate Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC15-55V (60-260V) To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 95Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L158*W35*H23.5mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

- Listed North America UL, BC certifications
- Comply UL924 ordinances, CSA C22.2 No. 141 in-site assembly
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state**
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: mains electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC, FCC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

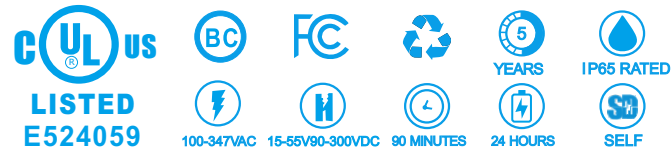
- 获得北美市场认可的UL认证
- 符合UL924标准，测试符合CSA C22.2 NO.141现场或工厂安装
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
- 静态下电池0功耗**
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示：市电
- 自检/季度自检功能
- 保护功能：过压保护，短路保护，过载保护，开路保护
- 金属外壳，符合EMC，FCC，C tick规范要求
- IP等级：IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED drivers
智能的应急转换器套件，可兼容所有品牌的LED驱动
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具



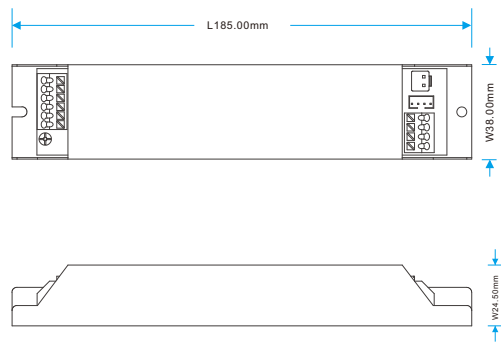
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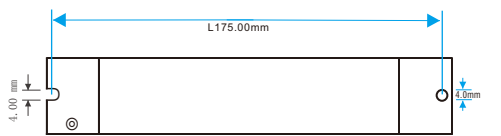
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装15个	CTN/Size(cm) 外箱尺寸
KVD-KM-XXW-YYY	Output 10 watts and runtime 1.5 hours	2200mA 14.8V Li-ion	≤40W	C:L185*W38*H24.5 B:L170*W37*H22	0.5KG	15pcs	42*32*24.5
KVD-KM-XXW-YYY	Output 15watts and runtime 1.5 hours	2500mA 14.8V Li-ion	≤100W	C:L185*W38*H24.5 B:L170*W37*H22	0.5KG	15pcs	42*32*24.5
KVD-KM-XXW-YYY	Output 20 watts and runtime 1.5 hours	4400mA 11.1V Li-ion	≤150W	C:L185*W38*H24.5 B:L230*W37*H22	0.8KG	15pcs	42*32*24.5
KVD-KM-XXW-YYY	Output 30 watts and runtime 1.5 hours	5000mA 14.8V Li-ion	≤200W	C:L185*W38*H24.5 B:L170*W37*H37	1KG	15pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~347VAC,50/60Hz
输入电流	Input Current	200mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	20W-200W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	10W/15W/20W/30W
电池组电压/容量	Battery Pack Voltage/Capacity	6.4V 2A,3A,
电池种类	Battery types	Li-FeP04 / Lithium Iron Phosphate Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC15-55V (60-260V) To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 95Minutes,Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L185*W38*H24.5mm,Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

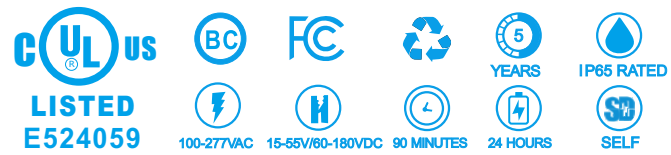
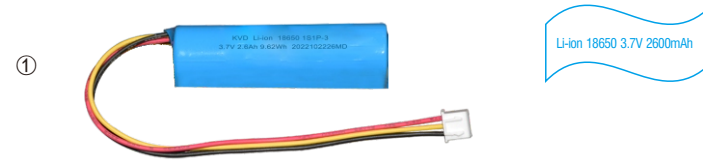
- Listed North America UL,BC certifications
- Comply UL924 ordinances, CSA C22.2 No.141 in-site assembly
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: mains electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

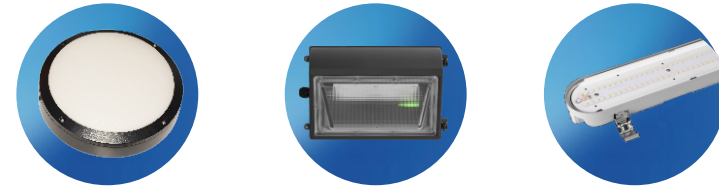
- 获得北美市场认可的UL认证
- 符合UL924标准，测试符合CSA C22.2 NO.141现场或工厂安装
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示：市电
- 自检/季度自检功能
- 保护功能：过压保护，短路保护，过载保护，开路保护
- 金属外壳，符合EMC，C tick规范要求
- IP等级：IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED drivers
智能的应急转换器套件, 可兼容所有品牌的LED驱动
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本.
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具



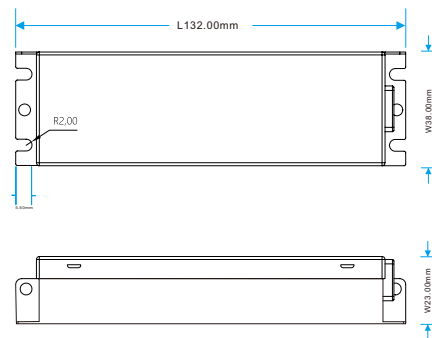
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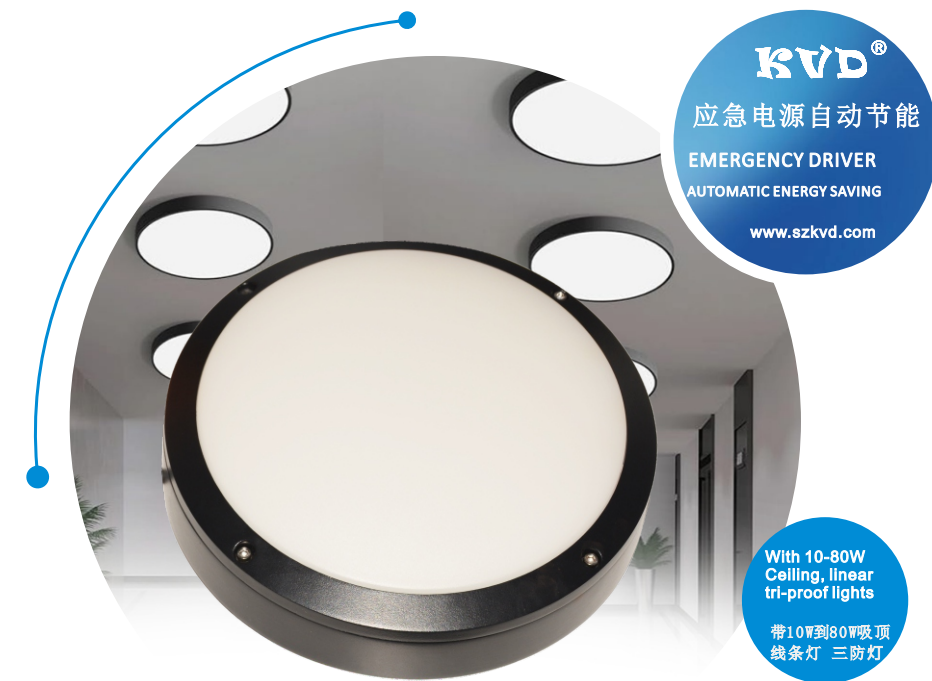
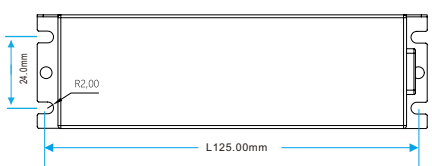
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188X	Output 4 watts and runtime 1.5 hours	2600mA 3.7V Li-ion	≤80W	C:L132*W38*H23	0.2KG	50pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~277VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	4W
电池组电压/容量	Battery Pack Voltage/Capacity	3.7V;2.6A
电池种类	Battery types	Li-ion Lithium Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC15-55V and 60-150V To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L115*W38*H24mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

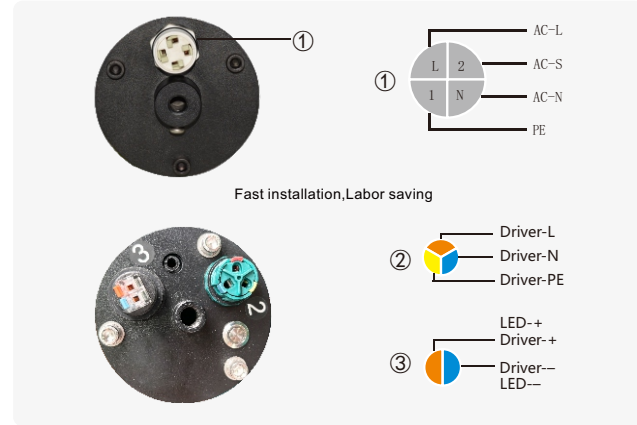
- Listed North America UL, BC certifications
- Comply UL924 ordinances, CSA C22.2 No. 141 in-site assembly
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

- 获得北美市场认可的UL认证
- 符合UL924标准, 测试符合CSA C22.2 NO.141现场或工厂安装
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick规范要求
- IP等级: IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- ⊙ Ideal smart's emergency converter kit, compatible with all brands of UFO LED lamps
理想智能型的应急转换器套件, 可兼容所有品牌的UFO LED灯具
- ⊙ Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本.
- ⊙ It only takes 5 minutes for a product to be fully installed. (UFO high bay light emergency Conversion kit)
只需要5分钟就能安装完一个产品 (UFO工矿灯应急电源)



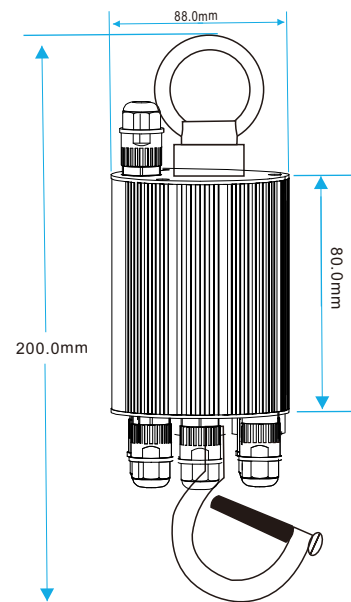
Application



型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装6个	CTN/Size(cm) 外箱尺寸
KVD188G-EM30	Output 5 watts and runtime 3 hours	2500mA 7.4V Li-ion	≤150W	L200*W88*H88	1KG	6pcs	33*27*30

产品尺寸图 | Product Measurement



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-150W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	5W
电池组电压/容量	Battery Pack Voltage/Capacity	7.4V 2.5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC30-85V (100-260V)
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	100mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L205*W88*H88mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

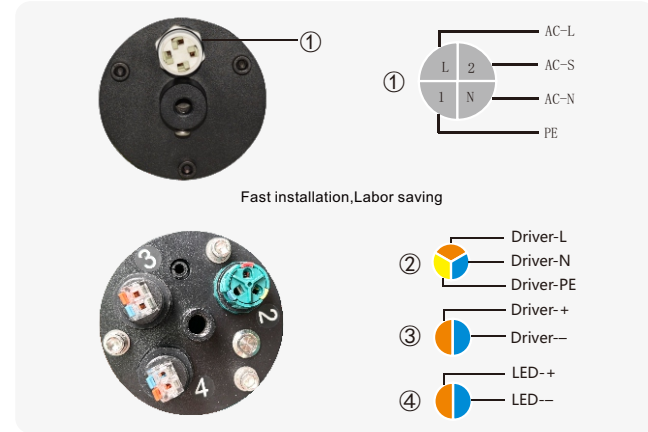
- ⊙ Obtained CE, UKCA, certifications
- ⊙ Tested to meet CE, UKCA, standards
- ⊙ Compatible with all brands of constant current LED drivers lamps
- ⊙ With infrared remote control and emergency function
- ⊙ Constant power output
- ⊙ High voltage output
- ⊙ Low energy consumption complies with CEC standards
- ⊙ Charging and dis-charging protection function and over heat temp. protection
- ⊙ Battery zero power consumption under static state
- ⊙ Mock-up electricity pause emergency testing function
- ⊙ Can be power off under emergency status
- ⊙ Indication light: city grid electricity,
- ⊙ Seasonal self detect function
- ⊙ Protection functions: over voltage, short circuit, over load and open circuit
- ⊙ Metal housing, comply EMC and C tick ordinances
- ⊙ IP grade: IP65
- ⊙ We obtained international air and sea transportation documents

产品优点

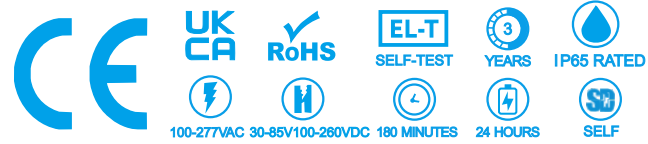
- ⊙ 获得欧洲市场认可的CE, UKCA, 认证
- ⊙ 测试符合CE, UKCA,
- ⊙ 兼容所有品牌的恒流LED驱动灯具
- ⊙ 带红外遥控应急功能
- ⊙ 恒功率输出
- ⊙ 高电压输出
- ⊙ 低能耗符合CEC标准
- ⊙ 电池有充电保护功能, 过温保护
- ⊙ 静态下电池0功耗
- ⊙ 模拟停电测试应急功能
- ⊙ 可关闭应急功能
- ⊙ 指示灯显示: 市电, 充电, 故障
- ⊙ 自检/季度自检功能
- ⊙ 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- ⊙ 金属外壳, 符合EMC, C tick 规范要求
- ⊙ IP等级: IP65
- ⊙ 我们取得了国际空运海运文件

产品描述 | Product Description

- ⊙ Ideal smart's emergency converter kit, compatible with all brands of LED lamp boards
理想智能型的应急转换器套件, 可兼容所有品牌的LED灯板
- ⊙ Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- ⊙ It only takes 5 minutes for a product to be fully installed. (UFO high bay light emergency Conversion kit)
只需要5分钟就能安装完一个产品 (UFO工矿灯应急电源)



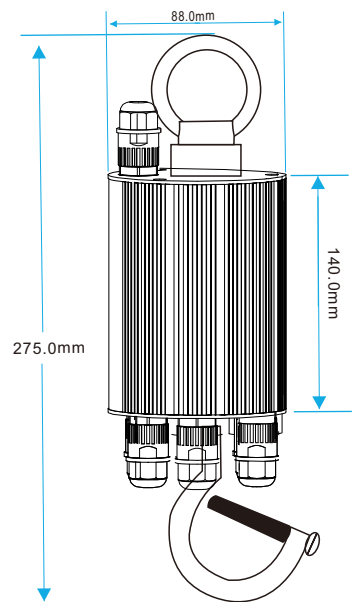
Application



型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装6个	CTN/Size(cm) 外箱尺寸
KVD188G-EM30	Output 10 watts and runtime 3 hours	4000mA 9.6V Li-FeP04	≤200W	L275*W88*H88	1.6KG	6pcs	33*27*30
KVD188G-EM30	Output 15 watts and runtime 3 hours	6000mA 9.6V Li-FeP04	≤320W	L275*W88*H88	1.8KG	6pcs	33*27*30
KVD188G-EM30	Output 30 watts and runtime 3 hours	12000mA 9.6V Li-FeP04	≤320W	L345*W88*H88	2.3KG	6pcs	33*27*30

产品尺寸图 | Product Measurement



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	10W/15W/20W/30W
电池组电压/容量	Battery Pack Voltage/Capacity	7.4V 2.5A
电池种类	Battery types	Li-FeP04 / Lithium Iron Phosphate Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC30-85V (100-260V)
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L275*W88*H88mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- ⊙ Obtained CE, UKCA, certifications
- ⊙ Tested to meet CE, UKCA, standards
- ⊙ Compatible with all brands of constant current LED drivers lamps
- ⊙ With infrared remote control and emergency function
- ⊙ Constant power output
- ⊙ High voltage output
- ⊙ Low energy consumption complies with CEC standards
- ⊙ Charging and dis-charging protection function and over heat temp. protection
- ⊙ Battery zero power consumption under static state
- ⊙ Mock-up electricity pause emergency testing function
- ⊙ Can be power off under emergency status
- ⊙ Indication light: city grid electricity,
- ⊙ Seasonal self detect function
- ⊙ Protection functions: over voltage, short circuit, over load and open circuit
- ⊙ Metal housing, comply EMC and C tick ordinances
- ⊙ IP grade: IP65
- ⊙ We obtained international air and sea transportation documents

产品优点

- ⊙ 获得欧洲市场认可的CE, UKCA, 认证
- ⊙ 测试符合CE, UKCA,
- ⊙ 兼容所有品牌的恒流LED驱动灯具
- ⊙ 带红外遥控应急功能
- ⊙ 恒功率输出
- ⊙ 高电压输出
- ⊙ 低能耗符合CEC标准
- ⊙ 电池有充电保护功能, 过温保护
- ⊙ 静态下电池0功耗
- ⊙ 模拟停电测试应急功能
- ⊙ 可关闭应急功能
- ⊙ 指示灯显示: 市电, 充电, 故障
- ⊙ 自检/季度自检功能
- ⊙ 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- ⊙ 金属外壳, 符合EMC, C tick 规范要求
- ⊙ IP等级: IP65
- ⊙ 我们取得了国际空运海运文件

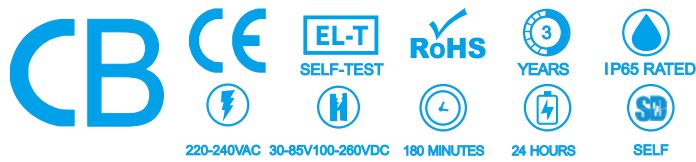
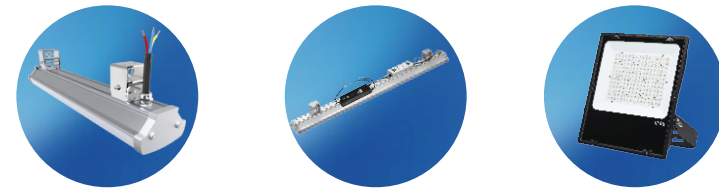
产品描述 | Product Description

- Waterproof emergency converter kit, compatible with all brands of LED lamps
防水应急转换器套件, 可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- This emergency conversion kit is suitable for different types of luminaires when their parameters are identical.
此应急转换器套件适用于参数相同的各类灯具



Glue Pouring & Waterproofing

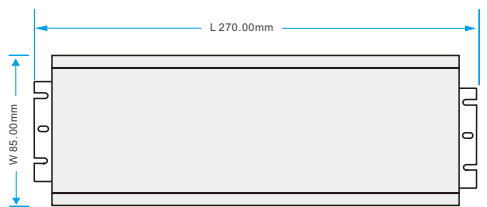
Application



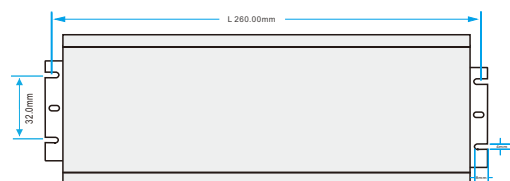
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD188L	Output 10 watts and runtime 3 hours	4400mA 11.1V Li-ion	≤100W	L270*W85*H45	1.8KG	10pcs	32.5*21*29
KVD188L	Output 20 watts and runtime 3 hours	7500mA 11.1V Li-ion	≤320W	L270*W85*H45	1.8KG	10pcs	32.5*21*29
KVD188L	Output 30 watts and runtime 3 hours	12500mA 11.1V Li-ion	≤320W	L270*W85*H45	1.8KG	10pcs	32.5*21*29
KVD-188L	Output 40 watts and runtime 3 hours	15000mA 11.1V Li-ion	≤320W	L390*W85*H45	2.6KG	10pcs	32.5*21*29

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	10W/15W/20W/25W/30W/35W/40W
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V:4.4A/ 6.6A/7.5A/8.8A/10A/12A/15A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC30-85V / 100-260VDC
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L270*W85*H45mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

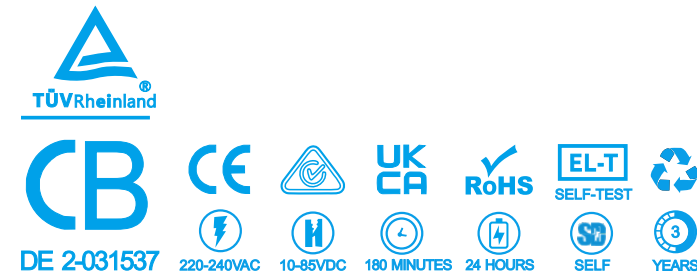
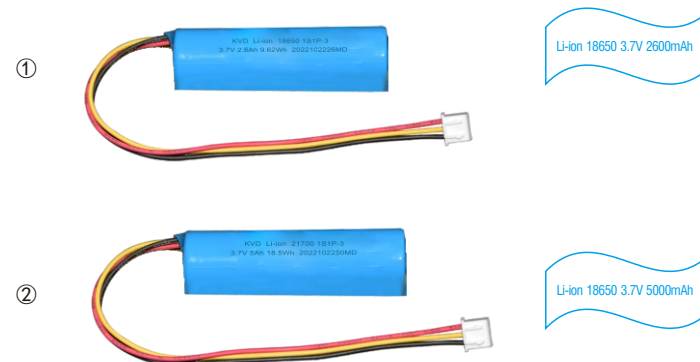
- Obtained CE, and TUV-CB certifications
- Tested to meet CE, and, TUV-CB standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP65
- We obtained international air and sea transportation documents

产品优点

- 获得欧洲市场认可的CE, TUV-CB认证
- 测试符合CE, TUV-CB
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电, 充电, 故障
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick 规范要求
- IP等级: IP65
- 我们取得了国际空运文件

产品描述 | Product Description

- ① Ideal smart's emergency converter kit, compatible with all brands of LED lamps
理想智能型的应急转换器套件, 可兼容所有品牌的LED灯具
- ② Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本.
- ③ Internal battery intergraded emergency conversion kit, saving cost easy to install
一体内置锂电池应急转换器套件, 非常节省成本, 安装也很方便
- ④ KVD188C has obtained CB and CE certification from TÜV.
KVD188C获得了TUV的CB和CE认证



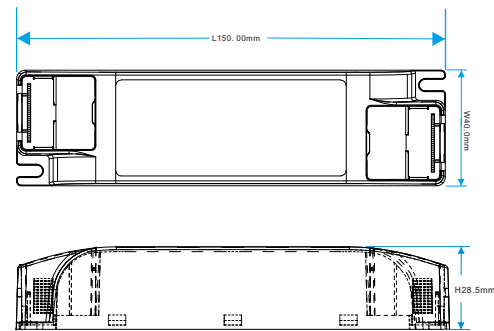
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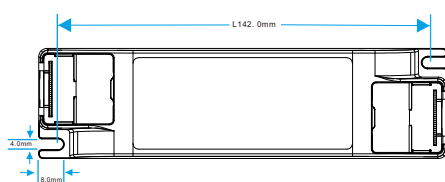
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装50个	CTN/Size(cm) 外箱尺寸
KVD188C	Output 3 watts and runtime 3 hours	2600mAh 3.7V Li-ion	≤60W	L150*W40*H28.5	0.26KG	50pcs	42*32*24.5
KVD188C	Output 5 watts and runtime 1.5 hours	2600mAh 3.7V Li-ion	≤100W	L150*W40*H28.5	0.26KG	50pcs	42*32*24.5
KVD188C	Output 5 watts and runtime 3 hours	5000mAh 3.7V Li-ion	≤100W	L150*W40*H28.5	0.26KG	50pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



With 10-100W Panel lamps and Down lights
带10W到100W筒灯 面板灯

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-100W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	3W/5W
电池组电压/容量	Battery Pack Voltage/Capacity	3.7V:2.5A/5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC10-85V Normal (Customizable 10-165VDC)
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 95Minutes or 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	100mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L150*W40*H28.5mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second. Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- ① Obtained CE, UKCA and TUV-CB, SAA-RCM certifications
- ② Tested to meet CE, UKCA, TUV-CB, SAA-RCM standards
- ③ Compatible with all brands of constant current LED drivers
- ④ Constant power output
- ⑤ High voltage output
- ⑥ Low energy consumption complies with CEC standards
- ⑦ Charging and dis-charging protection function and over heat temp. protection
- ⑧ Battery zero power consumption under static state
- ⑨ Mock-up electricity pause emergency testing function
- ⑩ Can be power off under emergency status
- ⑪ Indication light: city grid electricity, charging, fault
- ⑫ Seasonal self detect function
- ⑬ Protection functions: over voltage, short circuit, over load and open circuit
- ⑭ Metal housing, comply EMC and C tick ordinances
- ⑮ IP grade: IP20
- ⑯ We obtained international air and sea transportation documents

产品优点

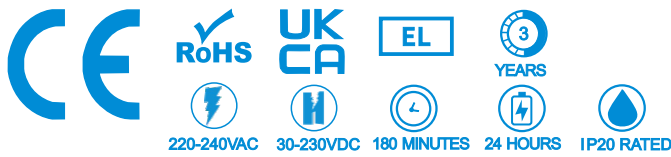
- ① 获得欧洲市场认可的CE, UKCA, 和TUV-CB, SAA-RCM认证
- ② 测试符合CE, UKCA和TUV-CB及SAA-RCM
- ③ 兼容所有品牌的恒流LED驱动
- ④ 恒功率输出
- ⑤ 高电压输出
- ⑥ 低能耗符合CEC标准
- ⑦ 电池有充放电保护功能, 过温保护
- ⑧ 静态下电池0功耗
- ⑨ 模拟停电测试应急功能
- ⑩ 可关闭应急功能
- ⑪ 指示灯显示: 市电, 充电, 故障
- ⑫ 自检/季度自检功能
- ⑬ 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- ⑭ 金属外壳, 符合EMC, C tick规范要求
- ⑮ IP等级: IP20
- ⑯ 我们取得了国际空运文件

产品描述 | Product Description

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理想智能型的应急转换器套件, 可兼容所有品牌的LED灯具
- ② Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- ③ Internal battery intergraded emergency conversion kit, saving cost easy to install
一体内置锂电池应急转换器套件, 非常节省成本, 安装也很方便
- ④ KVD188C has obtained CB and CE certification from TÜV.
KVD188C获得了TUV的CB和CE认证



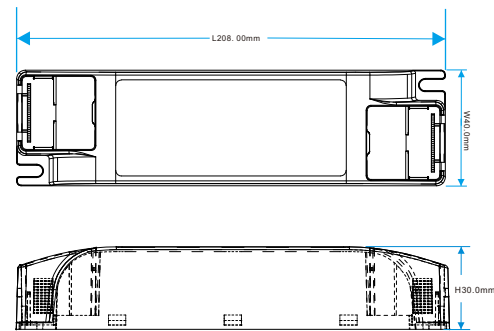
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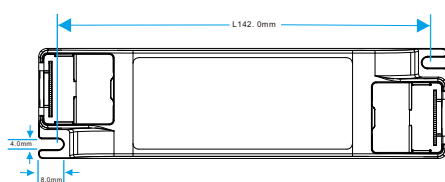
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装50个	CTN/Size(cm) 外箱尺寸
KVD188U	Output 6 watts and runtime 3 hours	2600mA 3.7V Li-ion	≤100W	L208*W40*H30	0.36KG	30pcs	42*32*24.5
KVD188U	Output 8 watts and runtime 3 hours	2600mA 3.7V Li-ion	≤100W	L208*W40*H30	0.36KG	30pcs	42*32*24.5
KVD188U	Output 10 watts and runtime 3 hours	5000mA 3.7V Li-ion	≤100W	L208*W40*H30	0.36KG	30pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	15W-100W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	6W/8W/10W
电池组电压/容量	Battery Pack Voltage/Capacity	7.4V:2.5A/5A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Battery	Yes
应急输出电压	Emergency Output Voltage	DC30-230V Normal
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 95Minutes or 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	100mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L208*W40*H30mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

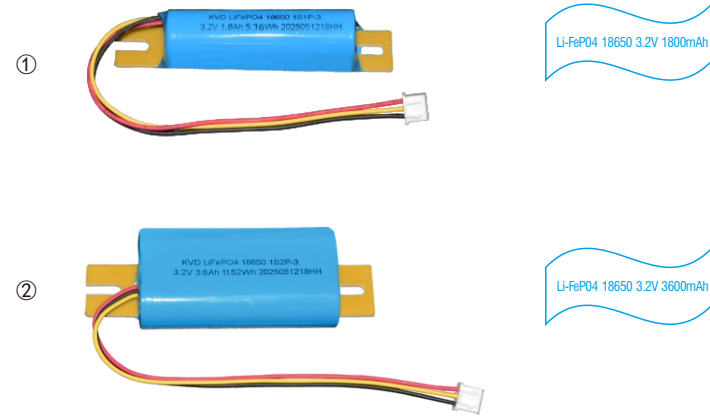
- ① Obtained CE and UKCA certifications
- ② Tested to meet CE and UKCA standards
- ③ Compatible with all brands of constant current LED drivers
- ④ Constant power output
- ⑤ High voltage output
- ⑥ Low energy consumption complies with CEC standards
- ⑦ Charging and dis-charging protection function and over heat temp. protection
- ⑧ Battery zero power consumption under static state
- ⑨ Mock-up electricity pause emergency testing function
- ⑩ Can be power off under emergency status
- ⑪ Indication light: city grid electricity, charging, fault
- ⑫ Seasonal self detect function
- ⑬ Protection functions: over voltage, short circuit, over load and open circuit
- ⑭ Metal housing, comply EMC and C tick ordinances
- ⑮ IP grade: IP20
- ⑯ We obtained international air and sea transportation documents

产品优点

- ① 获得欧洲市场认可的CE和UKCA, 认证
- ② 测试符合CE和UKCA
- ③ 兼容所有品牌的恒流LED驱动
- ④ 恒功率输出
- ⑤ 高电压输出
- ⑥ 低能耗符合CEC标准
- ⑦ 电池有充放电保护功能, 过温保护
- ⑧ 静态下电池0功耗
- ⑨ 模拟停电测试应急功能
- ⑩ 可关闭应急功能
- ⑪ 指示灯显示: 市电, 充电, 故障
- ⑫ 自检/季度自检功能
- ⑬ 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- ⑭ 金属外壳, 符合EMC, C tick安规要求
- ⑮ IP等级: IP20
- ⑯ 我们取得了国际空运文件

产品描述 | Product Description

- ① Ideal smart's emergency converter kit, compatible with all brands of LED lamps
理想智能型的应急转换器套件, 可兼容所有品牌的LED灯具
- ② Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本.
- ③ Internal battery intergraded emergency conversion kit, saving cost easy to install
一体内置锂电池应急转换器套件, 非常节省成本, 安装也很方便
- ④ KVD188S has obtained CB and CE certification from TÜV.
KVD188S获得了TUV的CB和CE认证



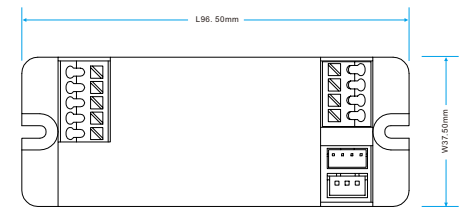
Application



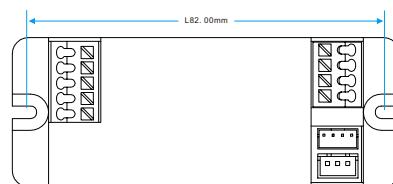
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装50个	CTN/Size(cm) 外箱尺寸
KVD188S	Output 1.5 watts and runtime 3 hours	1800mA 3.2V Li-FeP04	≤60W	C:L96.5*W37.3*H20.5 B:L100*W21*H22	0.26KG	50pcs	42*32*24.5
KVD188S	Output 3 watts and runtime 3 hours	3600mA 3.2V Li-FeP04	≤100W	C:L96.5*W37.3*H20.5 B:L100*W37*H22	0.26KG	50pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



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With 10-80W
Ceiling, linear
tri-proof lights
带10W到80W吸顶
线条灯 三防灯

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	1.5W/3W
电池组电压/容量	Battery Pack Voltage/Capacity	3.2V:1.8A/3.6A
电池种类	Battery types	Li-FeP04 / Ternary Lithium Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC20-160V Normal
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 185Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	100mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L95*W37.5*H20.5mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second:
Battery is not connected battery is defective
Red flashing four times a second:
Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state.
The green indicator light flashes once per second,
Maintains the emergency state for 10±1 seconds,
and returns to the normal state

PRODUCTS FUTURE

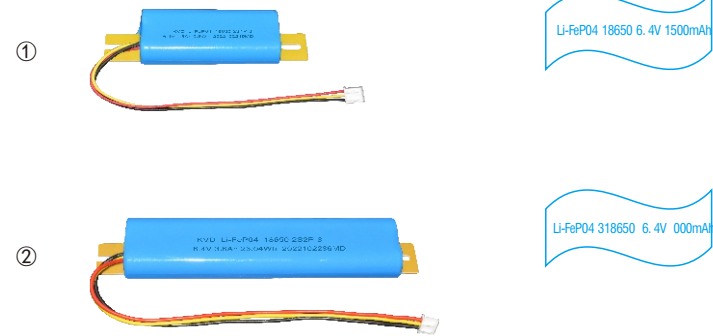
- ① Obtained CE, UKCA and TUV-CB and SAA-RCM certifications
- ② Tested to meet CE, UKCA, TUV-CB, SAA-RCM standards
- ③ Compatible with all brands of constant current LED drivers
- ④ Constant power output
- ⑤ High voltage output
- ⑥ Low energy consumption complies with CEC standards
- ⑦ Charging and dis-charging protection function and over heat temp. protection
- ⑧ Battery zero power consumption under static state
- ⑨ Mock-up electricity pause emergency testing function
- ⑩ Can be power off under emergency status
- ⑪ Indication light: city grid electricity, charging, fault
- ⑫ Seasonal self detect function
- ⑬ Protection functions: over voltage, short circuit, over load and open circuit
- ⑭ Metal housing, comply EMC and C tick ordinances
- ⑮ IP grade: IP20
- ⑯ We obtained international air and sea transportation documents

产品优点

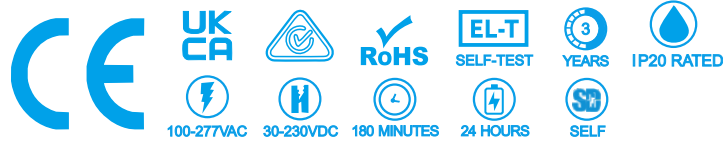
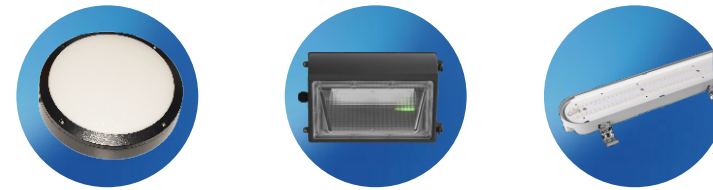
- ① 获得欧洲市场认可的CE, UKCA, 和TUV-CB, SAA-RCM认证
- ② 测试符合CE, UKCA和TUV-CB, SAA-RCM标准
- ③ 兼容所有品牌的恒流LED驱动
- ④ 恒功率输出
- ⑤ 高电压输出
- ⑥ 低能耗符合CEC标准
- ⑦ 电池有充放电保护功能, 过温保护
- ⑧ 静态下电池0功耗
- ⑨ 模拟停电测试应急功能
- ⑩ 可关闭应急功能
- ⑪ 指示灯显示: 市电, 充电, 故障
- ⑫ 自检/季度自检功能
- ⑬ 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- ⑭ 金属外壳, 符合EMC, C tick规范要求
- ⑮ IP等级: IP20
- ⑯ 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED drivers
智能的应急转换器套件，可兼容所有品牌的LED驱动
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具



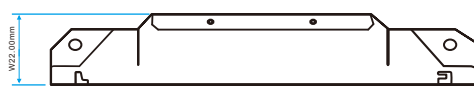
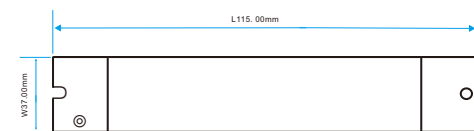
Application



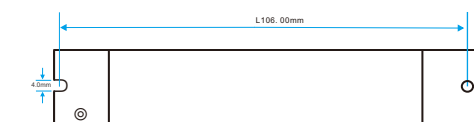
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188X	Output 2.5 watts and runtime 3 hours	1500mA 6.4V Li-FeP04	≤40W	C:L115*W38*H24 B:L100*W37*H22	0.2KG	50pcs	42*32*24.5
KVD188X	Output 5 watts and runtime 3 hours	3000mA 6.4V Li-FeP04	≤60W	C:L115*W38*H24 B:L170*W37*H22	0.5KG	50pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



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With 10-80W
Ceiling, linear
tri-proof lights
带10W到80W吸顶
线条灯 三防灯

技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	2.5W/5W
电池组电压/容量	Battery Pack Voltage/Capacity	6.4V 1.5A /3A,
电池种类	Battery types	Li-FeP04 / Lithium Iron Phosphate Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC30-230V To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L115*W38*H24mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1|LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second:
Battery is not connected battery is defective
Red flashing four times a second:
Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2|TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state.
The green indicator light flashes once per second,
Maintains the emergency state for 10±1 seconds,
and returns to the normal state

PRODUCTS FUTURE

- Obtained CE RCM-SAA, UKCA certifications
- Tested to meet CE, UKCA, SAA-RCM standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

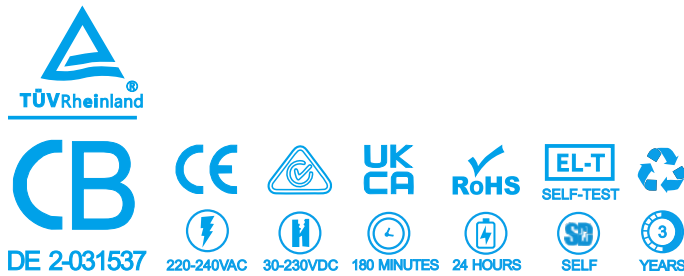
- 获得欧洲市场认可的CE, UKCA, 和澳洲市场认可的RCM-SAA认证
- 测试符合CE, UKCA和RCM-SAA
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示：市电，充电，故障
- 自检/季度自检功能
- 保护功能：过压保护，短路保护，过载保护，开路保护
- 金属外壳，符合EMC，C tick安规要求
- IP等级：IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, Compatible with all brands of LED lighting fixtures
智能的应急转换器套件，可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- Ultra-slim size, Applied to many types of lighting fixtures
超薄的尺寸，适用于多种类型的照明LED灯具
- KVD188T has obtained CB and CE certification from TÜV.
KVD188T获得了TUV的CB和CE认证



Application



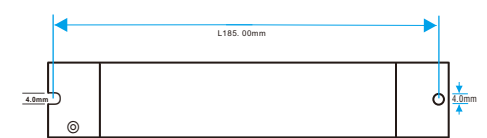
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188T	Output 3 watts and runtime 3 hours	2000mA 6.4V Li-FeP04	≤60W	C:L195*W30*H21 B:L100*W37*H22	0.4KG	50pcs	42*32*24.5
KVD188T	Output 5 watts and runtime 3 hours	3000mA 6.4V Li-FeP04	≤80W	C:L195*W30*H21 B:L170*W37*H22	0.6KG	35pcs	42*32*24.5
KVD188T	Output 12 watts and runtime 3 hours	8000mA 6.4V Li-FeP04	≤100W	C:L195*W30*H21 B:L170*W54*H54	0.8KG	30pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	3W/5W RCM (3W/5W/8W/10W/12W CB CE)
电池组电压/容量	Battery Pack Voltage/Capacity	6.4V;2A /3A/4A/6A/8A
电池种类	Battery types	Li-FeP04 / Lithium Iron Phosphate Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC30-230V To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(5~+60°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L195*W30*H21mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second. Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- Obtained CE, UKCA, RCM-SAA, and TUV-CB certifications
- Tested to meet CE, UKCA, TUV-CB, SAA-RCM standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

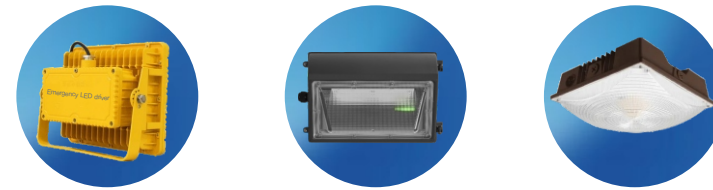
- 获得欧洲市场认可的CE, UKCA, TUV-CB和澳洲市场认可的RCM-SAA认证
- 测试符合CE, UKCA, TUV-CB和RCM-SAA
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示：市电，充电，故障
- 自检/季度自检功能
- 保护功能：过压保护，短路保护，过载保护，开路保护
- 金属外壳，符合EMC，C tick规范要求
- IP等级：IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED lighting fixtures
智能的应急转换器套件, 可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- Applied to many types of lighting fixtures
适用于多种类型的照明LED灯具
- KVD188B has obtained CB and CE certification from TÜV.
KVD188B获得了TUV的CB和CE认证



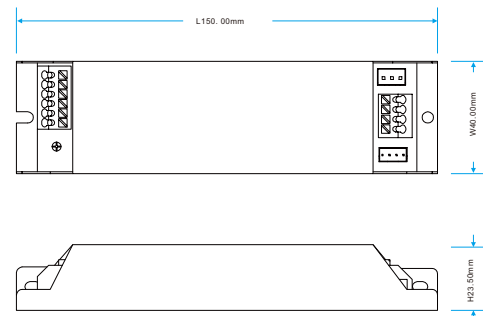
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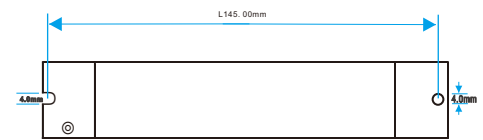
Application

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188B	Output 3 watts and runtime 3 hours	2000mA 7.4V Li-Ion	≤60W	C:L150*W38*H24 B:L100*W37*H22	0.4KG	50pcs	42*32*24.5
KVD188B	Output 5 watts and runtime 3 hours	3000mA 6.4V Li-FePO4	≤80W	C:L150*W38*H24 B:L170*W37*H22	0.6KG	35pcs	42*32*24.5
KVD188B	Output 12 watts and runtime 3 hours	7500mA 7.4V Li-Ion	≤100W	C:L150*W38*H24 B:L230*W37*H22	0.8KG	30pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	10W-80W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	3W/5W/8W/10W/12W CB CE
电池组电压/容量	Battery Pack Voltage/Capacity	6.4V:2A /3A/4A/6A/8A(7.4V:2A/4.4A/5.2A/6.6A/7.5A/8.8A)
电池种类	Battery types	Li-Ion (Li-FePO4 / Lithium Iron Phosphate Battery)
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC20-85V To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L150*W38*H24mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1:LED INDICATOR STATUS:

- Green :In main power mode
- Red:charging mode, when 95% charging red light off
- Yellow: The battery is not connected, the battery is short-circuited, open-circuited
- The emergency status: all indicators are turned off

2:TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- Obtained TUV-CB, CE certifications
- Tested to meet TUV-CB, CE standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

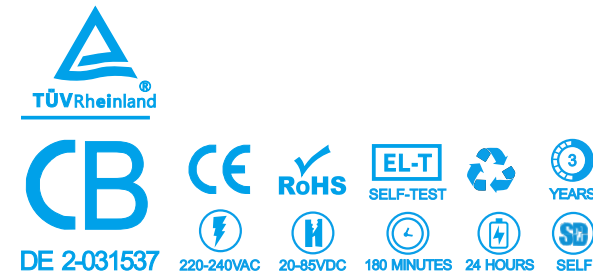
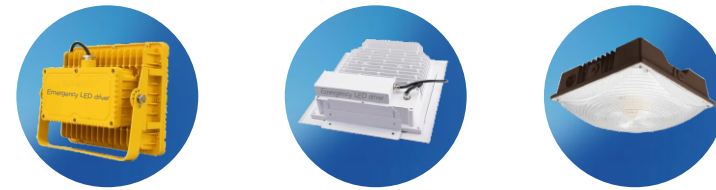
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- 测试符合TUV-CB, CE
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
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- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick规范要求
- IP等级: IP20
- 我们取得了国际空运海运文件

产品描述 | Product Description

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- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- High power output emergency solutions, applied to many types of lighting fixtures
大功率输出应急方案, 适用于多种类型的照明LED灯具
- KVD188L has obtained CB and CE certification from TÜV.
KVD188L 获得了TUV的CB和CE认证



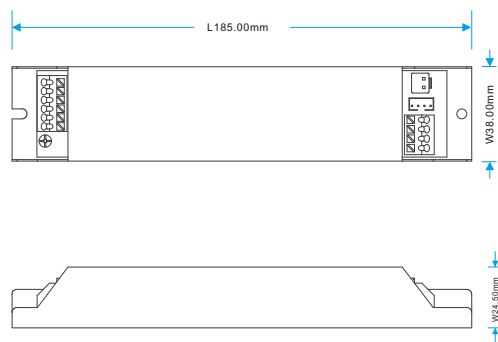
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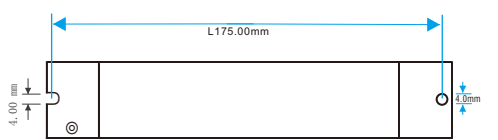
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188L	Output 10 watts and runtime 3 hours	4400mA 11.1V Li-Ion	≤100W	C:L185*W38*H24.5 B:L230*W37*H22	0.8KG	25pcs	42*32*24.5
KVD188L	Output 20 watts and runtime 3 hours	7500mA 11.1V Li-Ion	≤320W	C:L185*W38*H24.5 B:L230*W37*H37	1KG	25pcs	42*32*24.5
KVD188L	Output 30 watts and runtime 3 hours	12500mA 11.1V Li-Ion	≤320W	C:L185*W38*H24.5 B:L230*W55*H37	1.2KG	20pcs	42*32*24.5
KVD-188L	Output 40 watts and runtime 3 hours	15000mA 11.1V Li-Ion	≤320W	C:L185*W38*H24.5 B:L230*W55*H37	1.5KG	15pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	10W/15W/20W/25W/30W/35/40W/45W
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V:2.5A/4A/6A/8A/10A/12.5A/15A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC20-85V To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L185*W38*H24.5mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second. Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

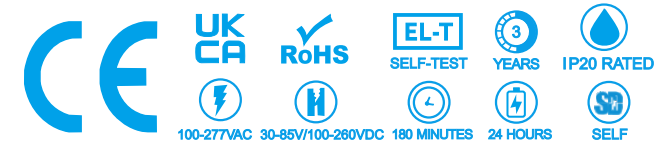
- Obtained TUV-CB, CE certifications
- Tested to meet TUV-CB, CE standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

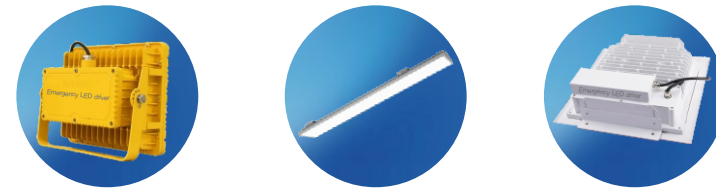
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- 测试符合TUV-CB, CE
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
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- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
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- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
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产品描述 | Product Description

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智能的应急转换器套件, 可兼容所有品牌的LED灯具
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节能高效率输出, 非常节省电池成本。
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大功率输出应急方案, 适用于多种类型的照明LED灯具



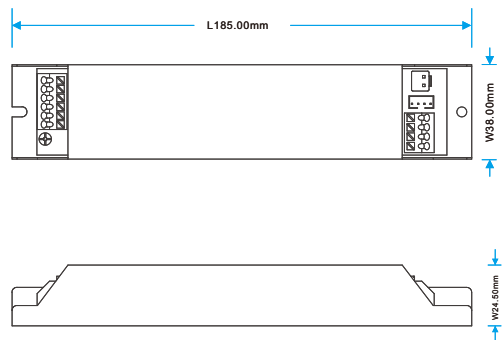
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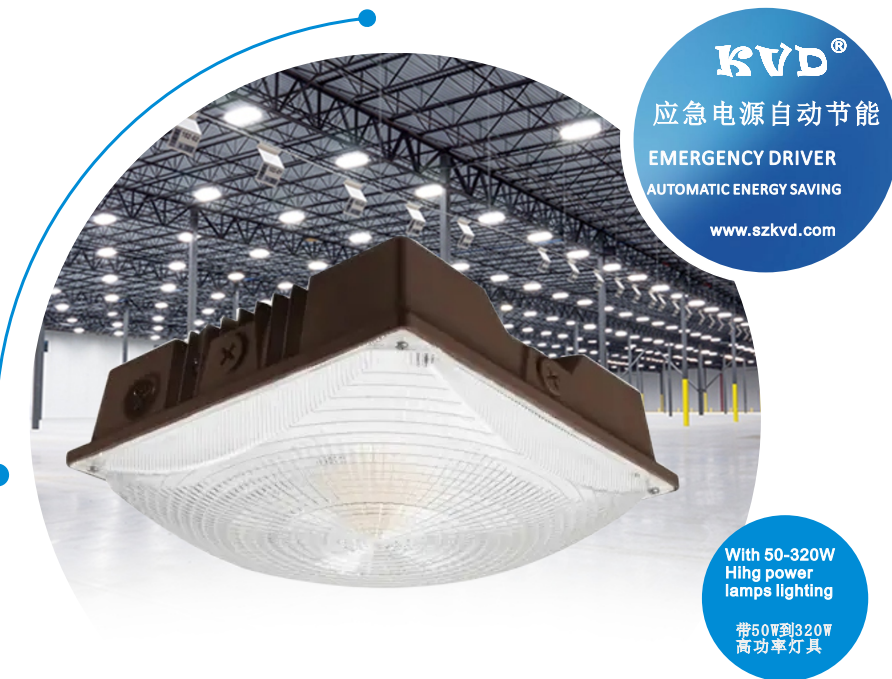
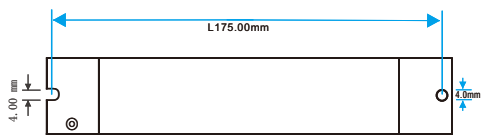
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188G	Output 10 watts and runtime 3 hours	4400mA 11.1V Li-ion	≤100W	C:L185*W38*H24.5 B:L230*W37*H22	0.8KG	25pcs	42*32*24.5
KVD188G	Output 20 watts and runtime 3 hours	7500mA 11.1V Li-ion	≤320W	C:L185*W38*H24.5 B:L230*W37*H37	1KG	25pcs	42*32*24.5
KVD188G	Output 30 watts and runtime 3 hours	12500mA 11.1V Li-ion	≤320W	C:L185*W38*H24.5 B:L230*W55*H37	1.2KG	20pcs	42*32*24.5
KVD-188G	Output 40 watts and runtime 3 hours	15000mA 11.1V Li-ion	≤320W	C:L185*W38*H24.5 B:L230*W55*H37	1.5KG	15pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-320W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	10W/15W/20W/25W/30W/35/40W/45W
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V:2.5A /4A/6A/8A/10A/12.5A/15A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC30-85V Or 100-260V Dc To Light Board
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	41°F~140°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L185*W38*H24.5mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
0S Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- Obtained CE, and UKCA certifications
- Tested to meet CE, UKCA standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
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产品优点

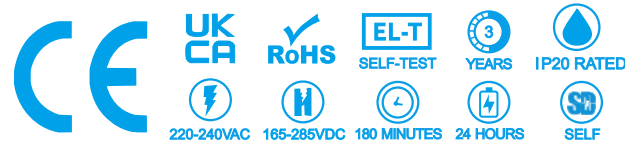
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- 指示灯显示: 市电, 充电, 故障
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- Smart emergency converter kit, compatible with all brands of LED lighting fixtures
智能的应急转换器套件, 可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本,
- Emergency full power output illuminates the fixture with the same emergency wattage as normal lighting wattage
应急全功率输出点亮灯具, 应急瓦数同正常照明瓦数一样



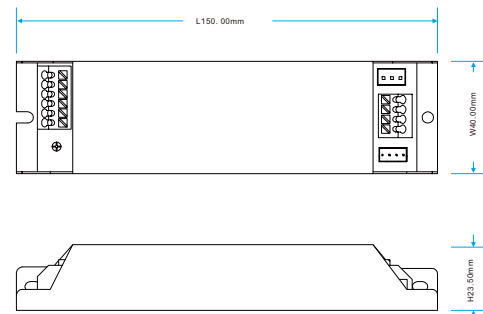
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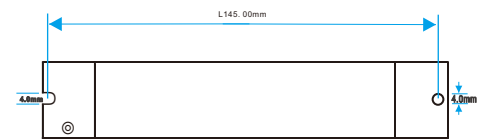
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188D	Output 10 watts and runtime 3 hours	4400mAh 11.1V Li-ion	≤10W	C:L150*W38*H24 B:L230*W37*H22	0.8KG	25pcs	42*32*24.5
KVD188D	Output 20 watts and runtime 3 hours	7500mAh 11.1V Li-ion	≤20W	C:L150*W38*H24 B:L230*W37*H37	1KG	25pcs	42*32*24.5
KVD188D	Output 50 watts and runtime 2 hours	12500mAh 11.1V Li-ion	≤30W	C:L150*W38*H24 B:L230*W55*H37	1.2KG	20pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	5W-50W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	Emergency Output Full Power (5W To 50W)
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V:2.5A/4A/6A/8A/10A/12.5A/15A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
配套电池	Batteries	External Battery Pack
应急输出电压	Emergency Output Voltage	DC165-285V To LED Driver AC Line
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L150*W38*H24.5mm, Battery Size not included
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
Red flashing once per second: Battery is not connected battery is defective
Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2.TEST BUTTON STATUS:

- Lock-free button: Test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second. Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- Obtained CE, UKCA certifications
- Tested to meet CE, UKCA standards
- Compatible with all brands of constant current LED drivers
- Full power emergency output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

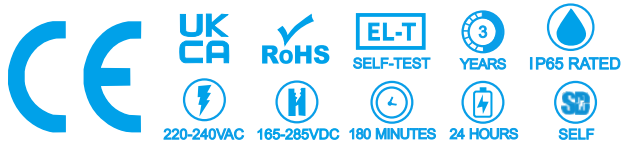
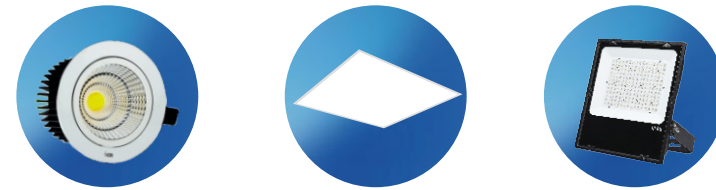
- 获得欧洲市场认可的CE, UKCA认证
- 测试符合CE, UKCA
- 兼容所有品牌的恒流LED驱动
- 应急全功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电, 充电, 故障
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick 规范要求
- IP等级: IP20
- 我们取得了国际空运文件

产品描述 | Product Description

- Intelligent emergency converter kit, compatible with all brands of LED lamps
智能应急转换器套件, 可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本。
- Emergency full power output illuminates the fixture with the same emergency wattage as normal lighting wattage
应急全功率输出点亮灯具, 应急瓦数同正常照明瓦数一样



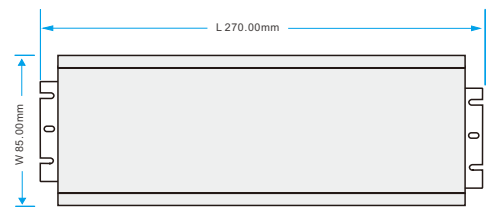
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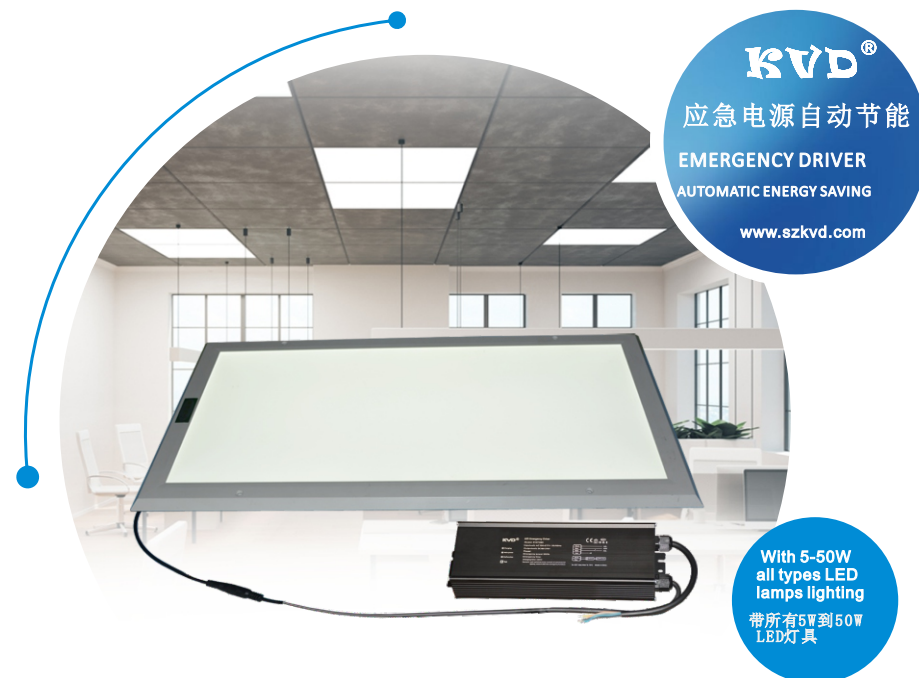
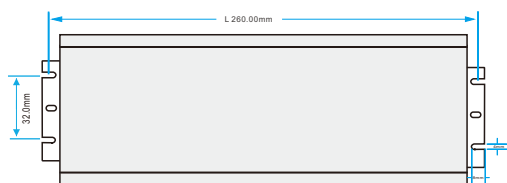
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装10个	CTN/Size(cm) 外箱尺寸
KVD188D	Output 10 watts and runtime 3 hours	4400mA 11.1V Li-ion	≤10W	L270*W85*H45	1.2KG	10pcs	32.5*21*29
KVD188D	Output 30 watts and runtime 3 hours	12500mA 11.1V Li-ion	≤30W	L270*W85*H45	1.6KG	10pcs	32.5*21*29
KVD188D	Output 50 watts and runtime 1.5 hours	10000mA 11.1V Li-ion	≤50W	L270*W85*H45	1.6KG	10pcs	32.5*21*29

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	220~240VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	5W-50W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	Emergency Output Full Power (5W To 50W)
电池组电压/容量	Battery Pack Voltage/Capacity	11.1V:2.5A/4A/6A/8A/10A/12.5A/15A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Li Batteries	Yes
应急输出电压	Emergency Output Voltage	DC165-285V To LED Driver AC Line
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L275*W85*H45mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1LED INDICATOR STATUS:

- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: failure as below
 - Red flashing once per second: Battery is not connected battery is defective
 - Red flashing four times a second: Load failure during emergency mode, open circuit/short circuit
- Green flashing: Emergency status one per second

2TEST BUTTON STATUS:

- Lock-free button: Test button
 - OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

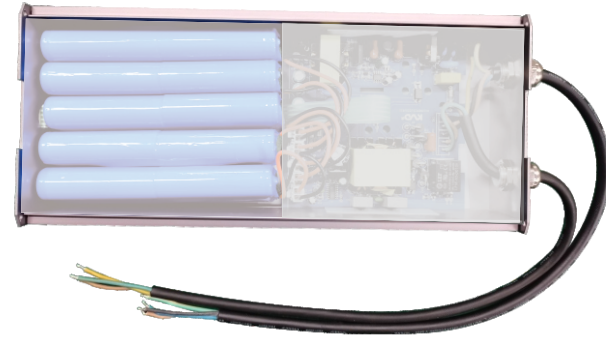
- Obtained CE, UKCA certifications
- Tested to meet CE, UKCA standards
- Compatible with all brands of constant current LED drivers
- Constant power output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP65
- We obtained international air and sea transportation documents

产品优点

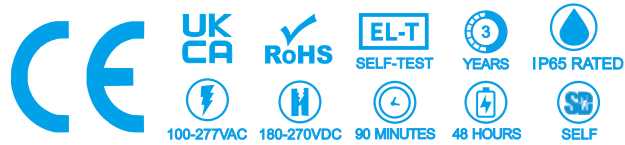
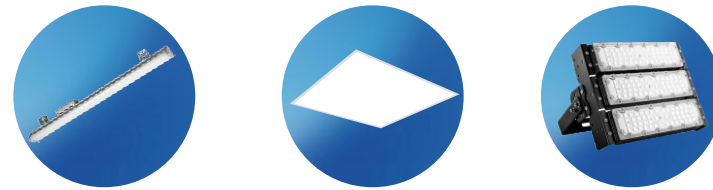
- 获得欧洲市场认可的CE, UKCA认证
- 测试符合CE, UKCA
- 兼容所有品牌的恒流LED驱动
- 恒功率输出
- 高电压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电, 充电, 故障
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick安规要求
- IP等级: IP65
- 我们取得了国际空运文件

产品描述 | Product Description

- Intelligent emergency converter kit, compatible with all brands of LED lamps
智能应急转换器套件, 可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出, 非常节省电池成本.
- Emergency full power output illuminates the fixture with the same emergency wattage as normal lighting wattage
应急全功率输出点亮灯具, 应急瓦数同正常照明瓦数一样



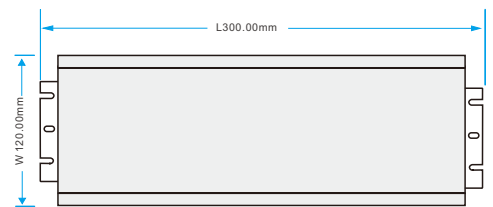
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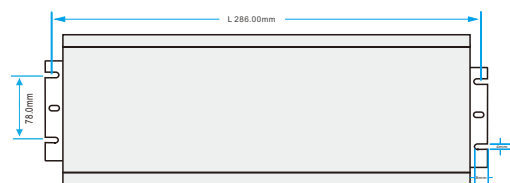
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188D-EM150	Output 120 watts and runtime 1 hours	10000mA 18.5.1V Li-ion	≤150W	L300*W120*H55	3.5KG	6pcs	42*32*24.5
KVD188D-EM150	Output 100 watts and runtime 2 hours	15000mA 18.5V Li-ion	≤150W	L300*W120*H55	4.5KG	4pcs	42*32*24.5

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~277VAC, 50/60Hz
输入电流	Input Current	400mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	50W-120W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	Emergency Output Full Power(50W To 120W)
电池组电压/容量	Battery Pack Voltage/Capacity	18.5V:10A
电池种类	Battery types	Li-ion /Ternary Lithium Battery
内置电池	Integrated Internal Li Batteries	Yes
应急输出电压	Emergency Output Voltage	DC180-270V To LED Driver AC Line
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes ,Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L300*W120*H55mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green stable: battery charged



2.TEST BUTTON STATUS:

- Lock-free button:Water-proof test button
OS Test button ≤2S, the utility enters the emergency state. The green indicator light flashes once per second, Maintains the emergency state for 10±1 seconds, and returns to the normal state

PRODUCTS FUTURE

- Obtained CE,UKCA certifications
- Tested to meet CE, UKCA standards
- Compatible with all brands of constant current LED drivers
- Full power emergency output
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP65
- We obtained international air and sea transportation documents

产品优点

- 获得欧洲市场认可的CE,UKCA 认证
- 测试符合CE,UKCA
- 兼容所有品牌的恒流LED驱动
- 应急全功率输出
- 高压输出
- 低能耗符合CEC标准
- 电池有充放电保护功能, 过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示: 市电
- 自检/季度自检功能
- 保护功能: 过压保护, 短路保护, 过载保护, 开路保护
- 金属外壳, 符合EMC, C tick 规范要求
- IP等级: IP65
- 我们取得了国际空运文件

产品描述 | Product Description

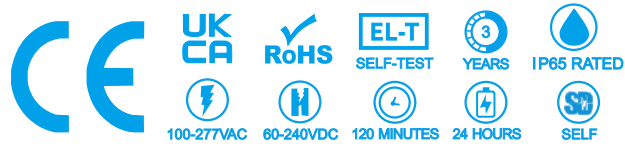
- Smart emergency converter kit, application in high voltage linear strip light
智能的应急转换器套件，用于高压线性灯带
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- High power output emergency solutions for 500W to 1000W high voltage strips
大功率输出应急方案，用于500瓦到1000瓦高压灯带上



Plug: We can provide the connecting plug based on your requirements.

- Europlug
- UK standard plug
- Swiss plugs

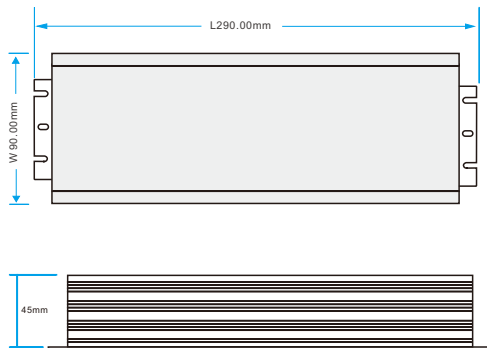
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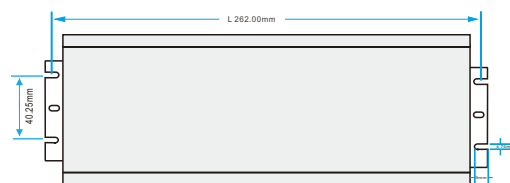
型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
KVD188P50	Output 50 watts and runtime 2 hours	5000mA 22.2V Li-ion	≤1000W	L270*W90*H45	2.5KG	4pcs	37*35*16

产品尺寸图 | Product Measurement



安装尺寸图 | Installation Size Drawing



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~277VAC,50/60Hz
输入电流	Input Current	400mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	200W-1000W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	50W Of Emergency Status
电池组电压/容量	Battery Pack Voltage/Capacity	18.5V:10A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Li Batteries	Yes
应急输出电压	Emergency Output Voltage	DC60-240V To LED Driver AC Line
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes ,Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L270*W90*H45mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	3 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

STATUS DESCRIPTION

1.LED INDICATOR STATUS:

- Green stable: battery charged
- Green off: battery fully charged
- Green flashing: battery failure, the battery is not connected the battery flashes 2 times in 1 second
Emergency mode, flash once in 1 second

2.TEST BUTTON STATUS:

- Lock-free button:Water-proof test button
There is mains power, press the test button once, it will switch to emergency, and after 3-4 seconds, it will turn to the charging state of mains power

PRODUCTS FUTURE

- Obtained CE and UKCA certifications
- Tested to meet CE, UKCA standards
- Compatible with all brands of linear LED solutions
- High voltage output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- Metal housing, comply EMC and C tick ordinances
- IP grade: IP65
- We obtained international air and sea transportation documents

产品优点

- 获得欧洲市场认可的CE和UKCA认证
- 测试符合CE和UKCA
- 兼容所有品牌的线性LED方案
- 高压输出
- 低能耗符合CEC标准
- 电池有充电保护功能，过温保护
- 静态下电池0功耗
- 模拟停电测试应急功能
- 可关闭应急功能
- 指示灯显示：市电
- 自检/季度自检功能
- 保护功能：过压保护，短路保护，过载保护，开路保护
- 金属外壳，符合EMC，C tick规范要求
- IP等级：IP65
- 我们取得了国际空运文件



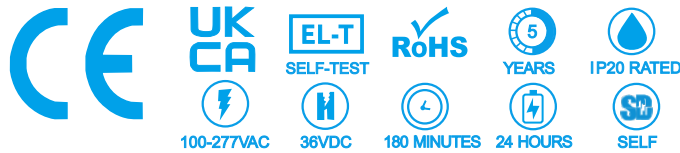
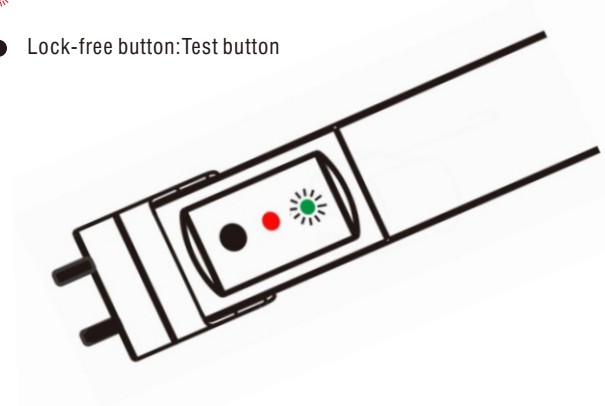
产品描述 | Product Description

- Smart emergency converter kit, compatible with all brands of LED lighting fixtures
智能的应急转换器套件，可兼容所有品牌的LED灯具
- Energy saving and high efficiency output saves battery costs.
节能高效率输出，非常节省电池成本。
- High power output emergency solutions, applied to many types of lighting fixtures
大功率输出应急方案，适用于多种类型的照明LED灯具

LED AND TEST BUTTON STATUS:

LED INDICATOR

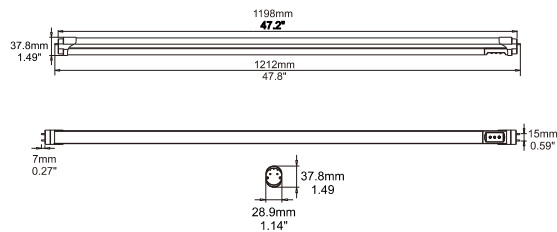
- Green breathing pattern: charging mode
- Green stable: battery fully charged
- Red flashing: malfunction
- Lock-free button: Test button



型号列表 | MODEL LIST:

Model 型号	Emergency Output Watts and Emergency runtime 应急输出瓦数和持续时间	Battery pack capacity 电池组容量/电压	Whole lamps power 整灯功率	Measurement(mm) 测量尺寸	Weight/pcs 单个重	PCS/CTN 每箱装20个	CTN/Size(cm) 外箱尺寸
ZKELT8AF-EB8W	Output 6 watts and runtime 1.5 hours	1100mA 14.8V Li-ion	≤22W	L1.2 M T8	1KG	20pcs	126*19*23
ZKELT8AF-EB8W	Output 4 watts and runtime 3 hours	1100mA 14.8V Li-ion	≤22W	L1.2 M T8	1KG	20pcs	126*19*23

产品尺寸图 | Product Measurement



技术参数 | TECHNICAL CHARACTERISTICS

参数	Parameter	参数范围 Data Range
输入电压	Input Voltage	100~277VAC, 50/60Hz
输入电流	Input Current	100mA Max.
功率因数	Power Factor	≥0.5 @230Vac
负载功率	Load Power	18W/22W LED Lamps
工作模式	Operating Mode	Emergency Lighting(Use After Power Outage)
应急输出瓦数	Emergency Output Watts	4W/6W
电池组电压/容量	Battery Pack Voltage/Capacity	14.8V: 1.1A
电池种类	Battery types	Li-ion / Ternary Lithium Battery
内置电池	Integrated Internal Li Batteries	Yes
应急输出电压	Emergency Output Voltage	DC36V
应急转换时间	Emergency Transfer	< 1 Second
应急持续时间	Emergency Runtime	> 90Minutes or 180Minutes, Normal Temperature Test
应急功能测试	Emergency Function Test	Worker Test, Auto-Test
空载保护和短路保护	No-load Protection and Short Circuit Protection	Yes
电池充电电流	Battery Charging Current	200mA Max.
电池充电时间	Battery Charging Time	>24h /Normal Temperature
电池充电保护	Battery Charging Protection	Yes
过温保护	Overtemperature Protection	Yes
工作环境温度	Ambient Operating Temperature ta	32°F~122°F(0~+50°C/Best Tested at 20°C~35°C)
产品尺寸	Product Measurement	L1200*W28.9*H37.8mm
测试标准	Test Standard	3750Vac 5mA (Input to Output)
环保	Pro-environment	Yes/RoHS Certificate
质保	Warranty	5 Years/Normal Use

应急持续时间测试参考 | EMERGENCY RUNTIME TEST REFERENCE:

Emergency Output Runtime 应急输出持续时间	Tested at 20~35°C Celsius at Room Temp. 在常温20~35°C中测试	Tested In High Temperatures. of +50°C 在高温50°C中测试	Tested In Low Temperatures 0 +50°C Celsius 在低温0°C中测试	Reason: 原因:
Emergency Runtime >90Minutes	Emergency Runtime >90Minutes	Emergency Runtime <85Minutes	Emergency Runtime <70Minutes	Battery Not Fully Charged

PRODUCTS FUTURE

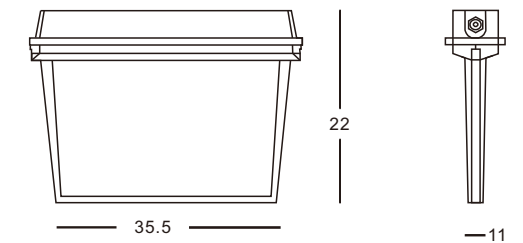
- Obtained CE, certifications Compliant with UL testing standards
- Tested to meet CE standards, and UL standards
- Constant power output
- Low energy consumption complies with CEC standards
- Charging and dis-charging protection function and over heat temp. protection
- Battery zero power consumption under static state**
- Mock-up electricity pause emergency testing function
- Can be power off under emergency status
- Indication light: city grid electricity, charging, fault
- Seasonal self detect function
- Protection functions: over voltage, short circuit, over load and open circuit
- IP grade: IP20
- We obtained international air and sea transportation documents

产品优点

- 获得欧洲市场认可的CE认证，符合北美市场认可的UL标准
- 测试符合CE, UL
- 恒功率输出
- 低能耗符合CEC标准
- 电池有充放电保护功能，过温保护
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- IP等级：IP20
- 我们取得了国际空运文件



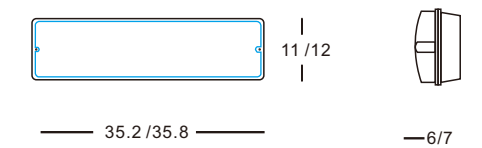
Dimension Unit :



产品数据 | PRODUCT DETAILS :

TYPE 类型	Materials 材质	Install 安装	Input Voltage 输入电压	Emergency Power 应急功率	Battery type 电池种类	Charging time 充电时间	Emergency runtime 应急持续时间	PCS/CTN 每箱装	CTN/Size(cm) 外箱尺寸
EMERGENCY LIGHT	PC	Surface	85-265VAC 50-60Hz	3 Watts	Li-ion 3.7V 2600mAh	Max.24h	3 Hours	10pcs	50.5*32*37.5

Dimension Unit :

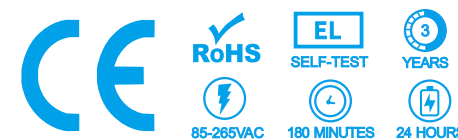


产品数据 | PRODUCT DETAILS :

TYPE 类型	Materials 材质	Install 安装	Input Voltage 输入电压	Emergency Power 应急功率	Battery type 电池种类	Charging time 充电时间	Emergency runtime 应急持续时间	PCS/CTN 每箱装	CTN/Size(cm) 外箱尺寸
EMERGENCY LIGHT	PC	Surface	85-265VAC 50-60Hz	3 Watts	Li-ion 3.7V 2600mAh	Max.24h	3 Hours	20pcs	50.5*32*37.5

产品数据 | PRODUCT DETAILS :

TYPE 类型	Materials 材质	Install 安装	Input Voltage 输入电压	Emergency Power 应急功率	Battery type 电池种类	Charging time 充电时间	Emergency runtime 应急持续时间	PCS/CTN 每箱装	CTN/Size(cm) 外箱尺寸
EMERGENCY LIGHT	PC	Ceiling/Hang up	85-265VAC 50-60Hz	3 Watts	Li-ion 3.7V 2600mAh	Max.24h	3 Hours	20pcs	50.5*32*37.5



AS-01

(push button)

AS-07

(New push button)

AS-02

(push button)

AS-08

(remote controller)

AS-03

(IP65 water proof push button)

AS-09

(hub)

AS-04

(push button)

AS-10

(emergency bracket)

AS-05

(panel button)

AS-11

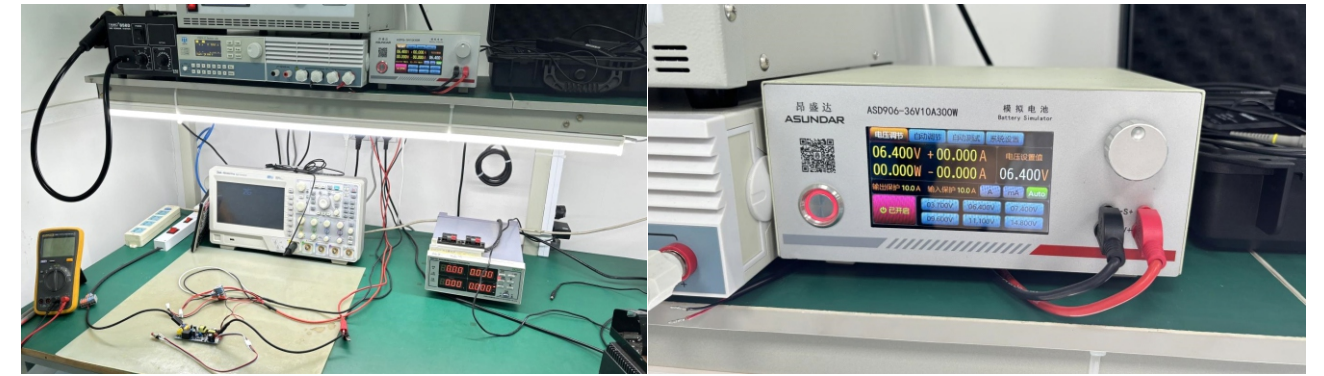
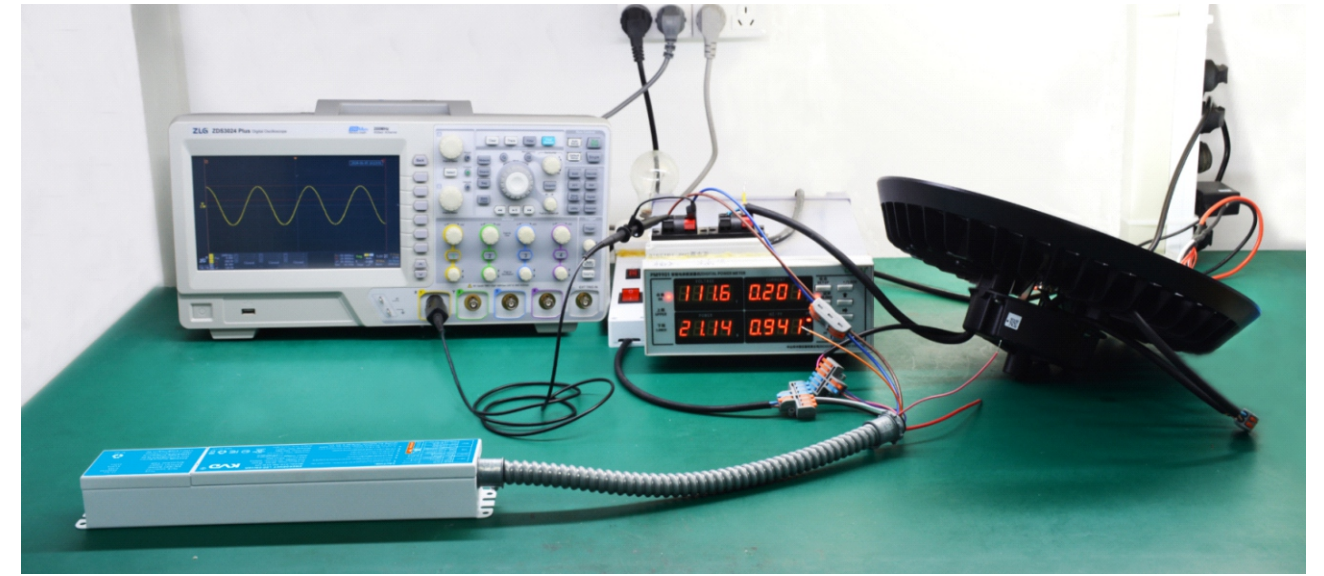
(ring)

AS-06

(wireless remote control panel)

AS-12

(hook)



隔离AC电源



高压测试仪



负载仪



负载仪



数字电桥



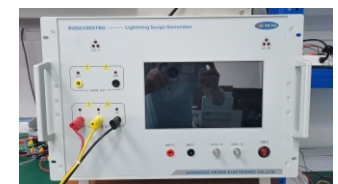
模拟电池



隔离AC电源



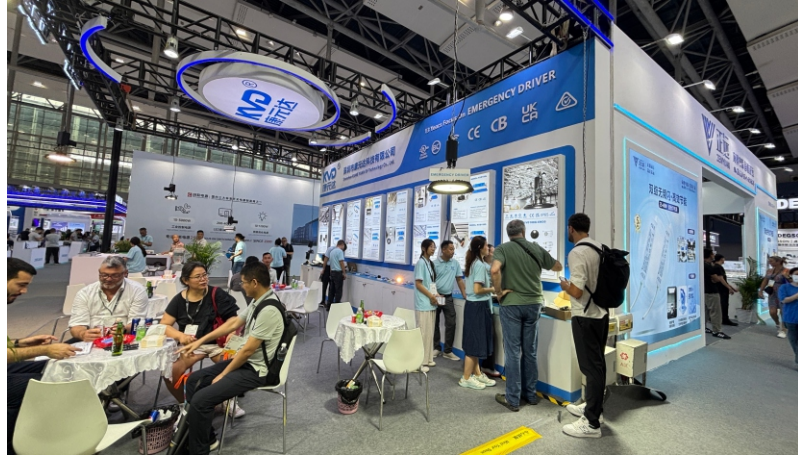
示波器



浪涌电压测试仪



示波器



持续深耕每年广州国际照明展 | Continuously deepening presence at the annual GILE



持续深耕每年香港秋季照明展 | Continuing to deepen presence at the annual HKAL Fair



持续深耕每年广州国际照明展 | Continuously deepening presence at the annual GILE



持续深耕每年宁波国际照明展 | Continuing to deepen commitment to the annual NILE



欢迎客户访厂 | Welcome to our factory



欧洲代理成立于2017年 | European Agency was established in 2017.

企业文化 | Corporate Culture



10+ YEARS FOCUS ON RESEARCH AND DEVELOPMENT