

**KVD<sup>®</sup>**

**UL<sup>®</sup> US**  
**LISTED**  
E524059

**BC**

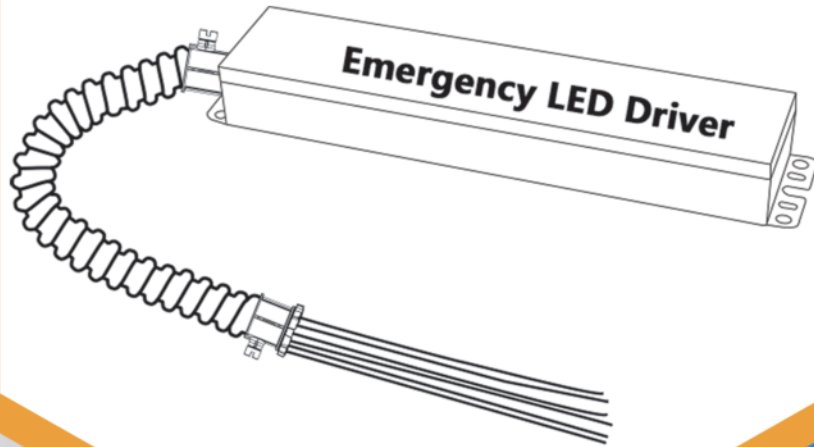
**FC**

**TÜVRheinland<sup>®</sup>**

**CB**

**CE**

DE 2-031537



Shenzhen KVD Technology Co.,Ltd

PROFESSIONAL EMERGENCY  
POWER SUPPLY MANUFACTURER

# UFO HIGH BAY EMERGENCY LED DRIVER





### NEW PROGRESS

In 2021, with the accumulation of technical skill and increase investment in product R&D, we were proud of obtaining UL certification for US market and received well production recognition from old customers.

**2021**

### REINFORCE

In 2018, we put more emphasis on exhibition marketing as well as strengthen product development. We obtained TUV CE, CB certification for our emergency drivers.

**2018**

# Company Development History

— Focus on the development and production of emergency power supply sales —

### AIM

In 2016, we finished setting up company structure combining R&D, production and distribution. Also we achieved bigger breakthrough in product development including added self-test function onto products.

**2016**

### EXPANSION

In 2012, we adjusted our business strategy and focused on emergency driver solution for lighting.

**2012**

### ESTABLISHED

Founded in 2008, our initial main business involved in brand IC distribution and solution service

**2008**



# COMPANY PROFILE

Shenzhen KVD Technology Co., Ltd was found in 2008, located in Shenzhen, China, the China company focuses on the development and manufacturing of emergency power supply for LED lamps, and committed to research core-technology products by our professional engineering team.

KVD emergency power supply batteries are using (Ni-Mh, Ni-Cd, Li-ion and LiFeO4) rechargeable cells, with intelligent integrated IC circuit, can change power under emergency, customerized solution, can linear strip emergency plan, can be lasting 1-5hrs under emergency, emergency saving up to 50%, constant current driver is compatable, have CE, CB, UL, Rohs and MSDS certs, hot selling in China domestic and oversea markets. widely applicability, can apply for site, terminal, car park, metro, school, shopping mall, hotel, factory etc.,

KVD acts as the emergency power supply manufacturer for Led lighting business, professional in latest product development and invention, provide high efficient power supply, energy saving, with the best service, walking with our oversea partners in the successful highway.

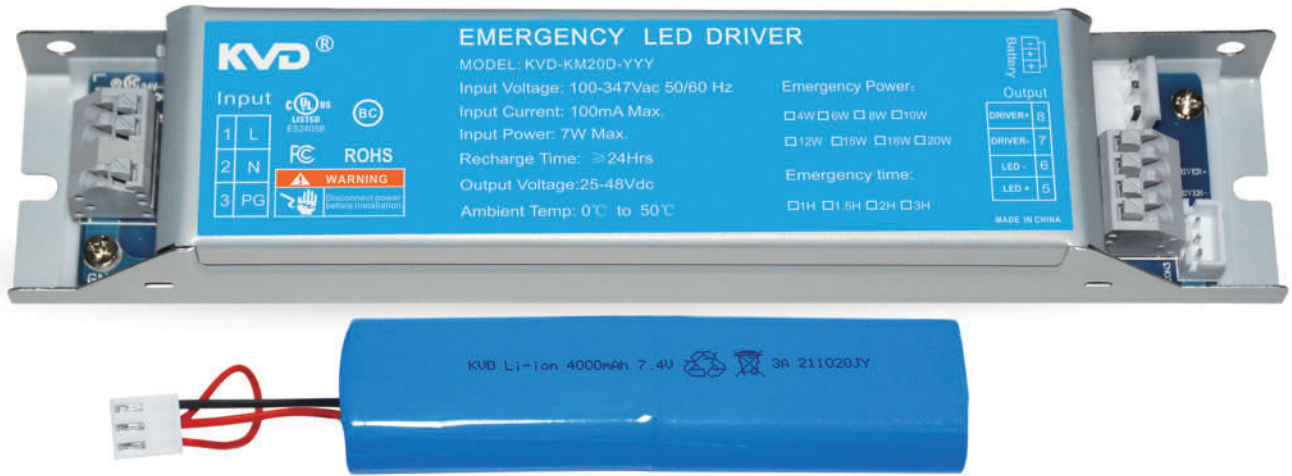
KVD Concepts: Our best service with high quality products, according to win-win



# LED EMERGENCY DRIVER



# UL EMERGENCY LED DRIVER



**KVD-KM20D-YYY**



Emergency power: 4W/6W/8W/10W/12W/15W/18W/20W

Input voltage: AC 100~347 V~50/60 Hz

Output voltage: DC 25-230 V

Input current: 100mA Max.

Continuous emergency timing: 90 min, 180 min

Battery: Li-ion or LiFePO4

Indicator: green

Separated battery set

Size: L185\*W36\*H24.5mm

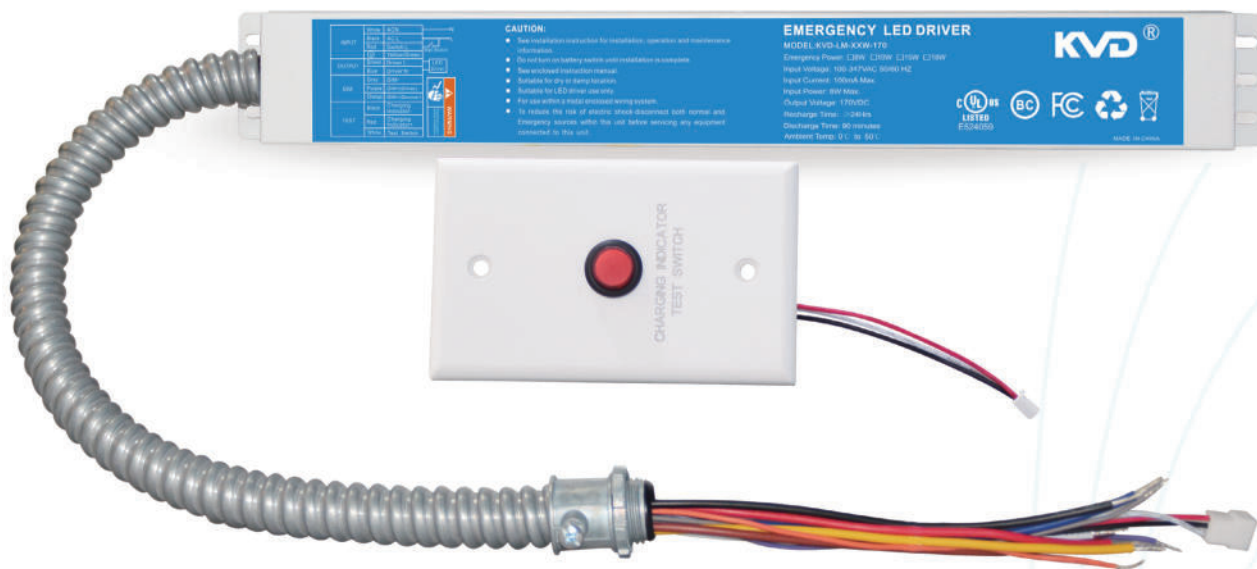
## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Metallic case, comply EMC, FCC, C-tick
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop..etc

# UL EMERGENCY LED DRIVER



**KVD-LM-XXW-170**



Emergency power: 8W/10W/15W/18W	Input voltage: AC 100~347 V~50/60 Hz	Output voltage: DC 170 V
Input current: 100mA Max.	Continous emergency timing: 90 min	Battery: Li-ion
Indicator: red	Integrated internal battery	Size: L345*W45*H28 mm



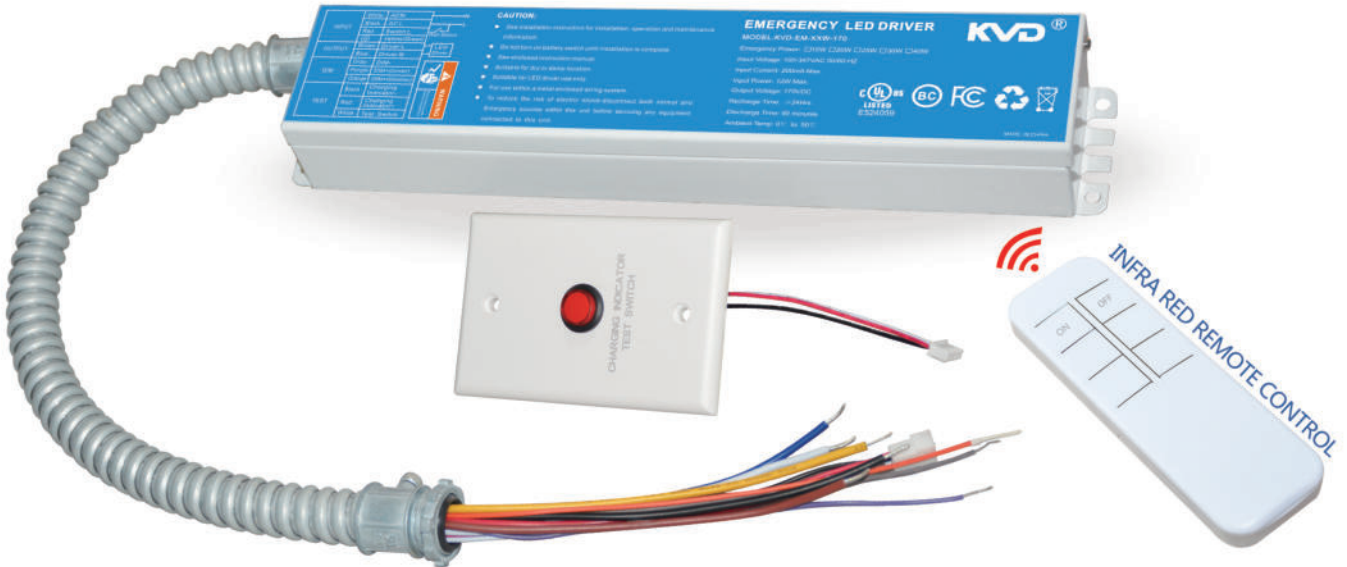
**ADVANTAGE**

- Constant output power
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: gird electricity
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Metallic case, comply EMC, FCC, C-tick
- IP standard: IP40



Apply to shcool, supermarket, office, hotel and workshop..etc

# UL EMERGENCY LED DRIVER



**KVD-EM-XXW-170**



Emergency power: 15W/20W/25W/30W/40W	Input voltage: AC 100~347 V~50/60 Hz	Output voltage: DC 170 V
Input current: 200mA Max.	Continuous emergency timing: 90 min	Battery: Li-ion
Indicator: red	Integrated internal battery	Size: L308*W60*H42 mm

- ADVANTAGE**
- Constant output power
  - Self charging and discharging protection function
  - Mock up electricity pause emergency testing
  - Can shut off under emergency
  - Indication light: grid electricity
  - Self inspection/ self inspection seasonally
  - Protection function: over voltage, short circuit, over load, open circuit protection
  - Simply wiring connection, easy installation
  - Metallic case, comply EMC, FCC, C-tick
  - IP standard: IP40



Apply to school, supermarket, office, hotel and workshop..etc



# UL EMERGENCY LED DRIVER



**KVD-EM-XXW-170UFO**



Emergency power: 25W/30W/40W

Input voltage: AC 100~347 V~50/60 Hz

Output voltage: DC 170 V

Input current: 200mA Max.

Continuous emergency timing: 90 min

Battery: Li-ion

Indicator: red

Integrated internal battery

Size: L210\*W138\*H100 mm



## ADVANTAGE

- Constant output power
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Metallic case, comply EMC, FCC, C-tick
- IP standard: IP65



Apply to school, supermarket, office, hotel and workshop..etc

# UL EMERGENCY LED DRIVER



**KVD-EM-XXW-170UFO**



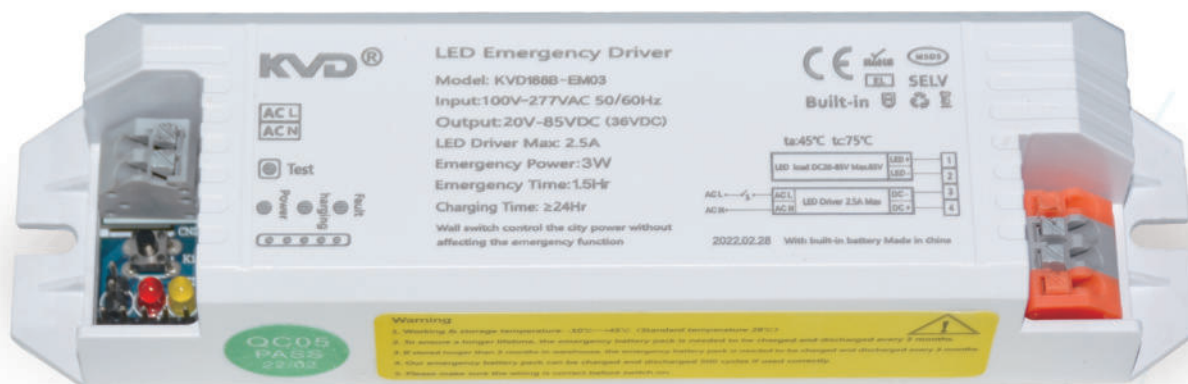
Emergency power: 25W/30W/40W	Input voltage: AC 100~347 V~50/60 Hz	Output voltage: DC 170 V
Input current: 200mA Max.	Continuous emergency timing: 90 min	Battery: Li-ion
Indicator: red	Integrated internal battery	Size: L250*W85*H45 mm

- ADVANTAGE**
- Constant output power
  - Self charging and discharging protection function
  - Mock up electricity pause emergency testing
  - Can shut off under emergency
  - Indication light: gird electricity
  - Self inspection/ self inspection seasonally
  - Protection function: over voltage, short circuit, over load, open circuit protection
  - Simply wiring connection, easy installation
  - Metallic case, comply EMC, FCC, C-tick
  - IP standard: IP40



Apply to school, supermarket, office, hotel and workshop..etc

# BEST SELLING STANDARD SPECIFICATION



**KVD188B-EM03**

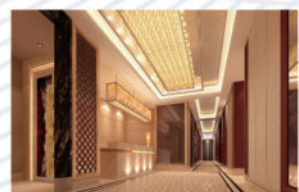


Emergency power: 3 W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 20-85 V
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green, yellow	Integrated internal battery	Size: L148*W38*H28.5 mm



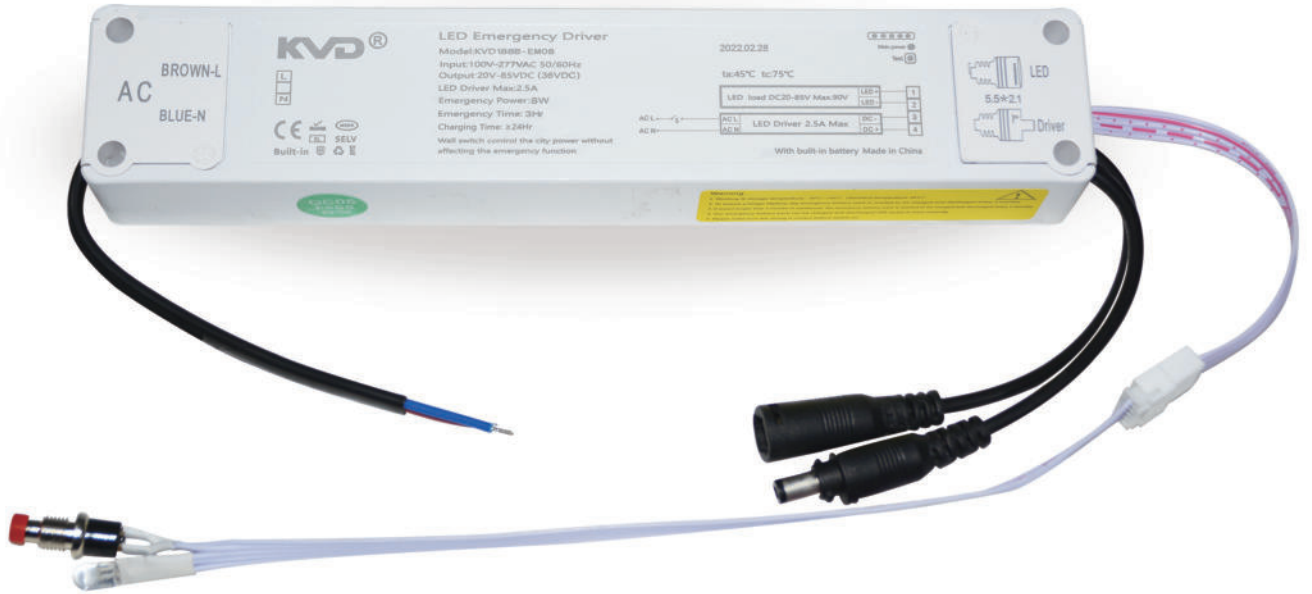
**ADVANTAGE**

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Classic plastic case, comply high-pot 4000V and grow wire testings
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop...etc

# INDOOR LIGHTING SPECIAL



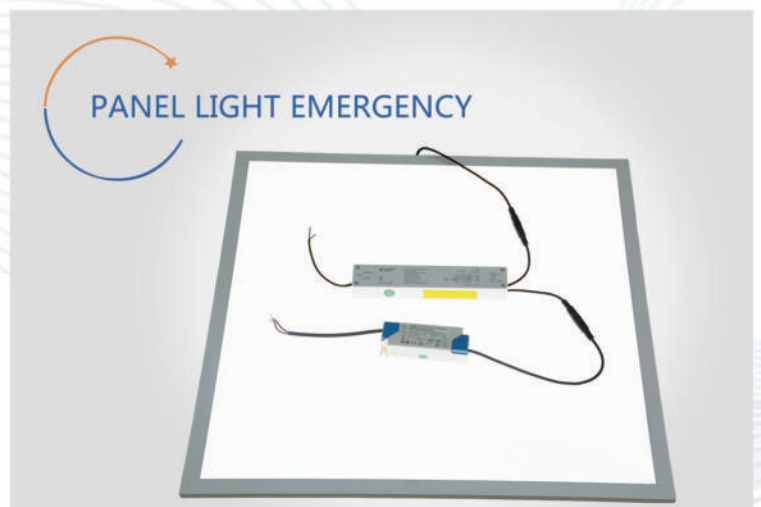
**KVD188B-EM08**



Emergency power: Max.8W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 20-85 V=
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green	Integrated internal battery	Size: L215*W40*H28 mm

## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Classic plastic case, comply high-pot 4000V and grow wire testings
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop..etc

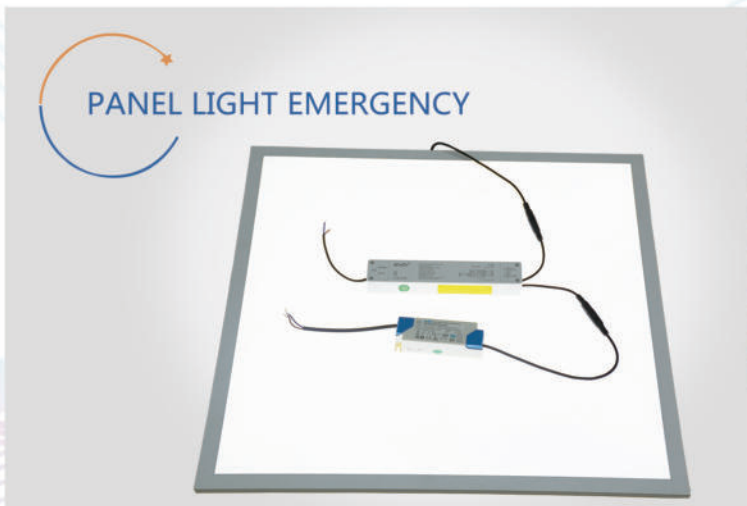
# DC80V-180V EMERGENCY DRIVER



**KVD188G-EM08**



Emergency power: Max.8W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 80-180 V
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green,	Integrated internal battery	Size: L215*W40*H28 mm



Apply to school, supermarket, office, hotel and workshop..etc

**ADVANTAGE**

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- Classic plastic case, comply high-pot 4000V and grow wire testings
- IP standard: IP20

# EXTERNAL BATTERY EMERGENCY DRIVER



**KVD188B**



Emergency power: Max.12W

Input voltage: AC 220~240 V~50/60 Hz

Output voltage: DC 20-85 V ≍

Input current: 300mA Max.

Continuous emergency timing: 90 min, 180 min

Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH

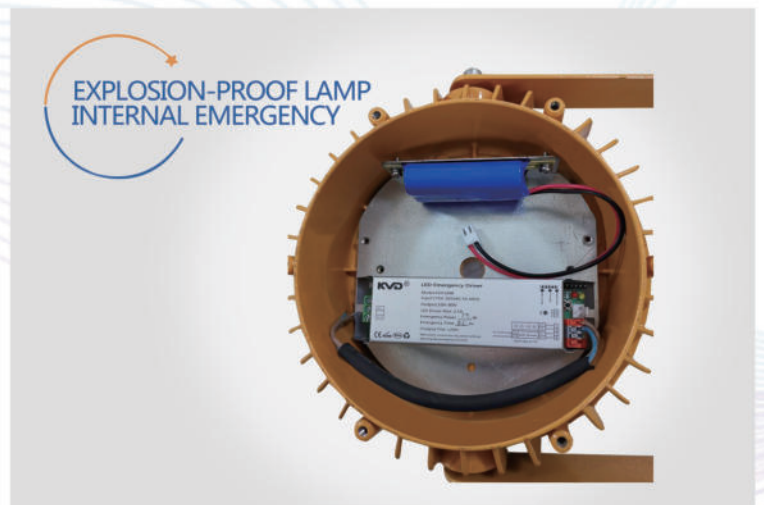
Indicator: red, green, yellow

Separated battery set

Size: L148\*W28\*H25.5 mm

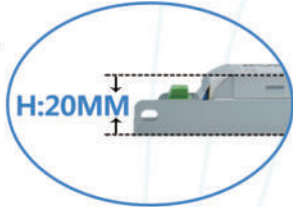
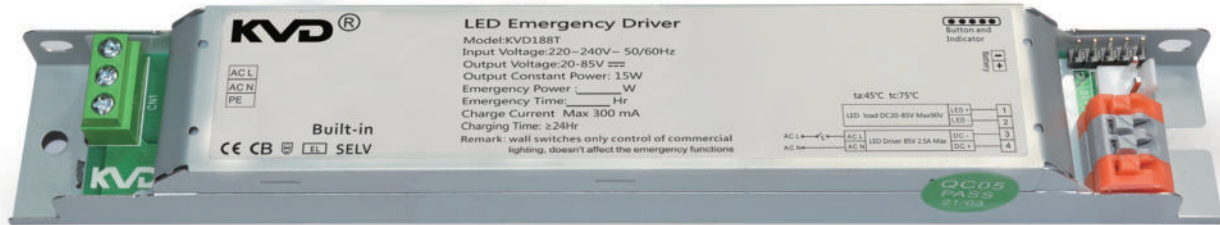
## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop..etc

# ULTRA-THIN EMERGENCY DRIVER



**KVD188T** H:20MM



Emergency power: Max.15W	Input voltage: AC 220~240 V~50/60 Hz	Output voltage: DC 20-85 V
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: LiFePo4
Indicator: red, green, yellow	Separated battery set	Size: L195*W30*H20 mm

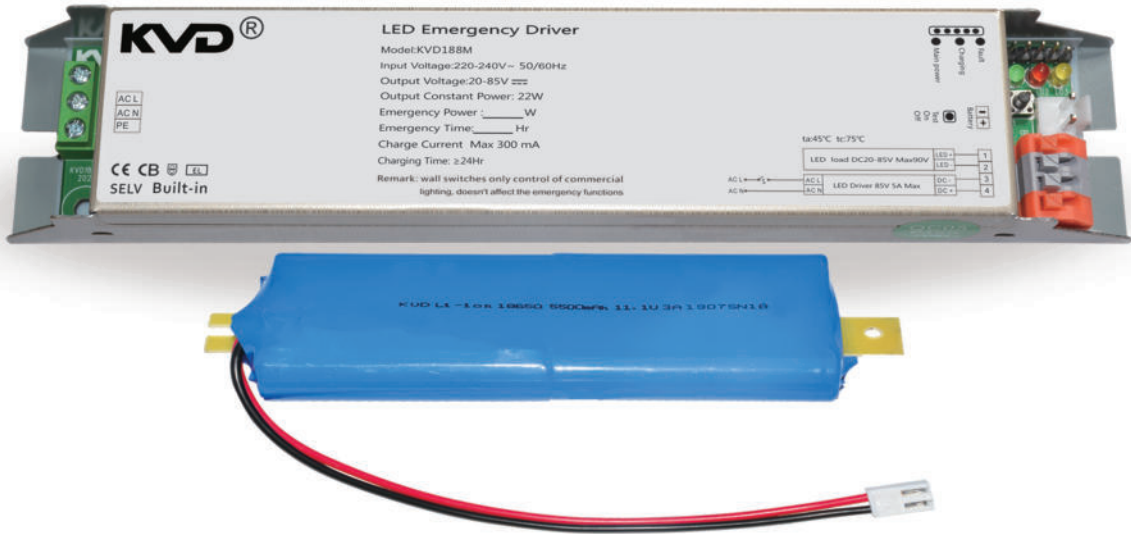


Apply to school, supermarket, office, hotel and workshop..etc

### ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20

# ULTRA-THIN EMERGENCY DRIVER



**KVD188M**

**H:22MM**



Emergency power: Max.22W

Input voltage: AC 220~240 V~50/60 Hz

Output voltage: DC 20-85 V

Input current: 300mA Max.

Continuous emergency timing: 90 min, 180 min

Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH

Indicator: red, green, yellow

Separated battery set

Size: L202\*W38\*H22 mm

## ADVANTAGE

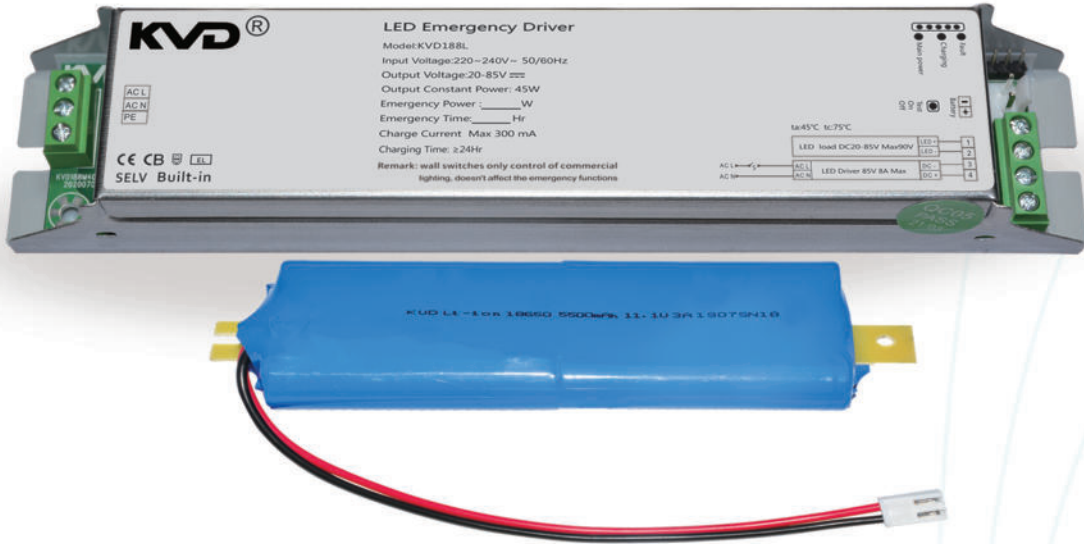
- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop..etc



# HIGH-POWER EMERGENCY DRIVER



**KVD188L**



Emergency power: Max.45W	Input voltage: AC 220~240 V~50/60 Hz	Output voltage: DC 20-85 V =
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH
Indicator: red, green, yellow	Separated battery set	Size: L202*W38*H28 mm



Apply to school, supermarket, office, hotel and workshop..etc

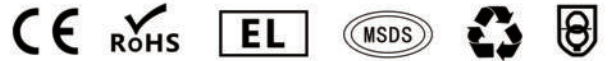
**ADVANTAGE**

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20

# DC80V-210V EMERGENCY DRIVER



**KVD188G**



Emergency power: Max.20W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 80-210 V
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH
Indicator: red, green, yellow	Separated battery set	Size: L202*W38*H28 mm

**ADVANTAGE**

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to school, supermarket, office, hotel and workshop...etc

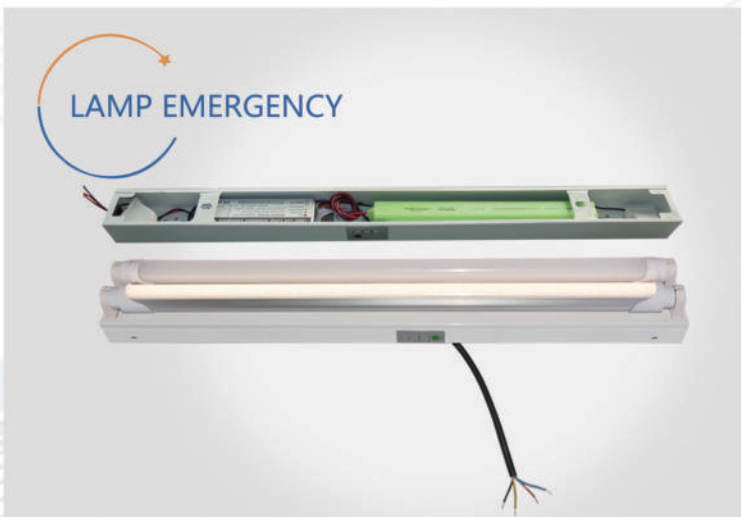
# FULL POWER EMERGENCY DRIVER



**KVD188D-EM30**



Emergency power: Max.30W 100%	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 180-270 V =
Input current: 300mA Max.	Continous emergency timing: 90 min, 180 min	Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH
Indicator: red, green, yellow	Seperated battery set	Size: L168*W38*H28 mm



## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: gird electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to shcool, supermarket, office, hotel and workshop..etc

# FULL POWER EMERGENCY DRIVER



**KVD188D-EM60**



Emergency power: Max.50W 100%	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 180-270 V ==
Input current: 350mA Max.	Continous emergency timing: 90 min, 180 min	Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH
Indicator: red, green, yellow	Seperated battery set	Size: L202*W38*H28 mm

## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: gird electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to shcool, supermarket, office, hotel and workshop..etc

**SPECIAL DESIGN FOR INTERNAL DRIVER LIGHT  
EMERGENCY POWER DECAYED AUTOMATICALLY**



**KVD188D-AC05**



Emergency power: 3 W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 85 V ==
Input current: 300mA Max.	Continous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green, yellow	Seperated battery set	Size: L148*W38*H25 mm



**ADVANTAGE**

- Constant output power
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: gird electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP20



Apply to shcool, supermarket, office, hotel and workshop..etc

# FULL POWER EMERGENCY DRIVER



**KVD188D-EM150**



Emergency power: Max.150W 100%	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 180-270 V ==
Input current: 400mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green, yellow	Integrated internal battery	Size: L300*W120*H55 mm

## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP65

## TUNNEL LIGHT EMERGENCY



Apply to school, supermarket, office, hotel and workshop..etc

# LINEAR OUTPUT HIGH VOLTAGE EMERGENCY DRIVER



**KVD188P**



Emergency power: Max.50W	Input voltage: AC 100~277 V~50/60 Hz	Output voltage: DC 60-120 V ===
Input current: 400mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion
Indicator: red, green, yellow	Integrated internal battery	Size: L300*W120*H55 mm



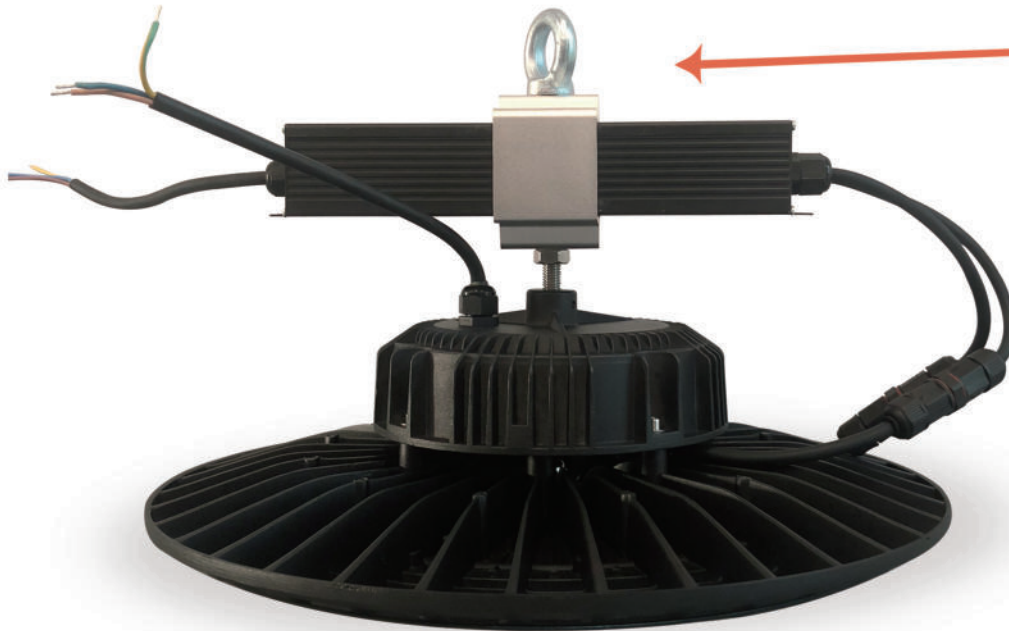
**ADVANTAGE**

- Constant output power
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP65



Apply to school, supermarket, office, hotel and workshop..etc

# UFO HIGH BAY EMERGENCY DRIVER



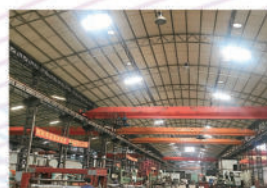
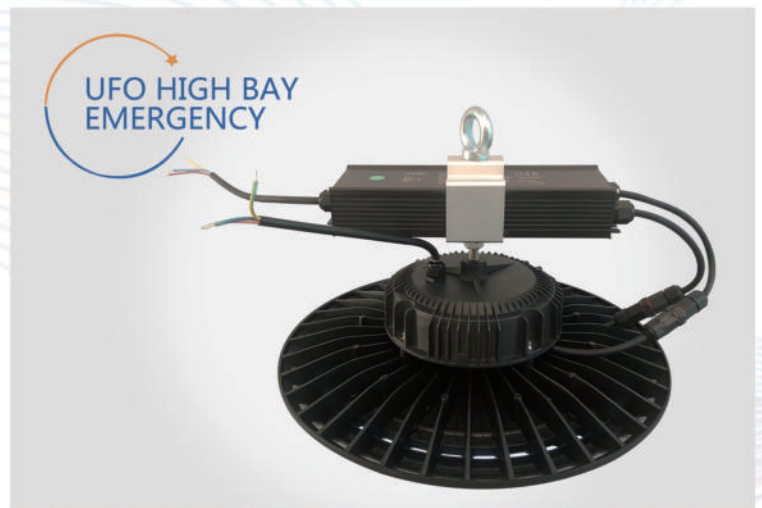
SIMPLY WIRING CONNECTION



Emergency power: Max.45W	Input voltage: AC 220~240 V~50/60 Hz	Output voltage: DC 20-85 V ==
Input current: 300mA Max.	Continuous emergency timing: 90 min, 180 min	Battery: Li-ion or LiFePo4, Ni-CD or Ni-MH
Indicator: red, green, yellow	Internal battery and emergency inverter	Size: L270*W85*H45mm

## ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP40



Apply to school, supermarket, office, hotel and workshop..etc



# IP65 PROXY EMERGENCY DRIVER



Environment: wet places and outdoors

Water-proof level: IP65

Internal battery and emergency inverter

Size: L270\*W85\*H45mm



## TUNNEL LIGHT EMERGENCY



Apply to school, supermarket, office, hotel and workshop...etc

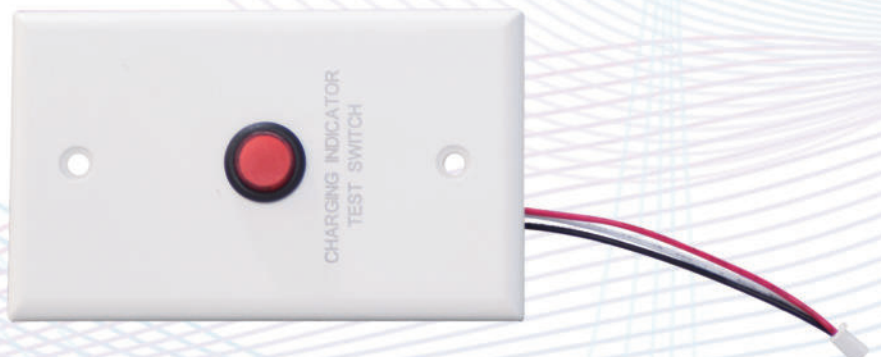
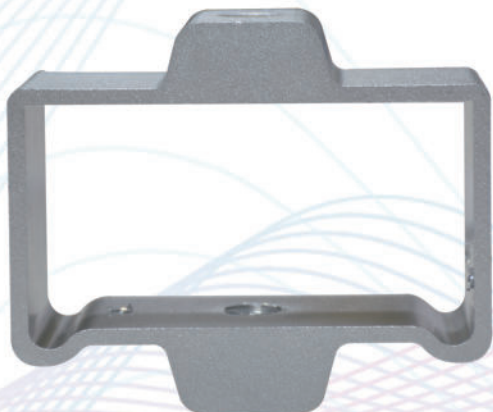
### ADVANTAGE

- Constant current output
- Self charging and discharging protection function
- Mock up electricity pause emergency testing
- Can shut off under emergency
- Indication light: grid electricity, charging out of order
- Self inspection/ self inspection seasonally
- Protection function: over voltage, short circuit, over load, open circuit protection
- Simply wiring connection, easy installation
- METALLIC CASE, COMPLY EMC, FCC, C-TICK
- IP standard: IP65

# EMERGENCY POWER ACCESSORIES



## EMERGENCY POWER BRACKET





# JOB REFERENCE PRODUCT PHOTOS





# UL CERTIFICATE

## 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** FTBR - 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.

Bruce Mahrenholz, 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 <http://ul.com/about/locations/>





# CB CERTIFICATE

	Ref. Certif. No.
	DE 2-031537

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

## CB TEST CERTIFICATE

Product	LED Emergency Driver
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	AC 220-240V; 50/60Hz; ta:45°C; tc:75°C; For other ratings, see test report.
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. CN208HEU 001.
A sample of the product was tested and found to be in conformity with	IEC 61347-2-7:2011+A1 IEC 61347-1:2015+A1
As shown in the Test Report Ref. No. which forms part of this Certificate	CN208HEU 001

This CB Test Certificate is issued by the National Certification Body



**TÜVRheinland®**

TÜV Rheinland LGA Products GmbH  
Tillystr. 2, 90431 Nürnberg, Germany  
Phone + 49 221 806-1371  
Fax + 49 221 806-3935  
Mail: cert-validity@de.tuv.com  
Web : www.tuv.com



Date: 2021-06-23

Signature:

Guoping Zheng

# CE CERTIFICATE



## 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 Driver)

**Identification:**  
Type Designation:  
KVD188B KVD188T KVD188M KVD188L  
(KVD)  
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 Licence 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.



Certification Body

Date 05.07.2021

Dipl.-Ing. Univ. S. O. Steinke

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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



# CE CERTIFICATE

## CERTIFICATE

of Conformity

EC 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 Driver)

**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 55015:2019+A11  
EN 61547:2009  
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 Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of 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 the a.m. Directive.

Date 23.07.2021



Certification Body



*Tongle Lee*

Tongle Lee

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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

# AIR TRANSPORT, BY SEA, MSDS, UN38.3 CERTIFICATE

**危险物品** **仅限货机运输**

**DANGEROUS GOODS** **仅限货机运输**


## 航空运输条件鉴别报告书

### Identification and Classification Report for Air Transport of Goods

此报告本年度有效  
有效期至2021年12月31日

报告编号:	PEKSZ202101286793DJ760001
Issued No.:	
签发日期:	2021. 01. 28
Issued Date:	
委托单位:	深圳市康元达科技有限公司
Applicant:	Shenzhen Kangyuanda Technology Co., Ltd.
物品名称:	锂离子电池组 18650-6.4V 3000mAh 19.2Wh
Name of Goods:	Li-ion Battery Pack 18650-6.4V 3000mAh 19.2Wh

北京迪捷姆空运技术开发有限公司  
Beijing DGM Air Transport Technology Development Co., Ltd.



第 1 页 共 4 页

**NCT Technology** Shenzhen NCT Testing Technology Co., Ltd.  
1 / F, No. B Building, Mianshang Younger Pioneer Park, Hangcheng Road, Gushu Xixiang Street, Baoan District, Shenzhen, Guangdong, China

By Sea  
海运

### Identification and Classification Report for Transport of Goods 货物运输条件鉴别报告书

(Not subject to these Regulations)

非限制性

Name of Goods:	Li-ion Battery Pack 18650-6.4V 3000mAh 19.2Wh
货物名称:	锂离子电池组 18650-6.4V 3000mAh 19.2Wh
Commission by:	Shenzhen Kangyuanda Technology Co., Ltd.
委托单位:	深圳市康元达科技有限公司
Transportation:	Marine
运输方式:	海运

Shenzhen NCT Testing Technology Co., Ltd.  
深圳诺测检测技术有限公司



Material Safety Data Sheet

## MSDS Report

Prepared For: 申请商:	Shenzhen Kangyuanda Technology Co., Ltd. 深圳市康元达科技有限公司 3rd Flood, Building 12, Jinchenghejing Industrial Park, Hexiu, Xilu No.87, Heping Community, Fuhai street, Bao'an District, Shenzhen 深圳市宝安区福永镇福海街道和秀西路 87 号锦城和景产业园 12 栋 3 楼
Product Name: 产品名称:	Li-ion Battery Pack 锂离子电池组
Model 型号:	18650-6.4V 3000mAh 19.2Wh
Nominal Voltage: 标称电压:	6.4V
Typical Capacity: 典型容量:	3000mAh, 19.2Wh
Weight 重量:	269g
Dimension 尺寸:	198.0mm X 37.5mm X 20.1mm (L×W×T)
Prepared By: 编制单位:	Shenzhen NCT Testing Technology Co., Ltd. 深圳诺测检测技术有限公司 1 / F, No. B Building, Mianshang Younger Pioneer Park, Hangcheng Road, Gushu Xixiang Street, Baoan District, Shenzhen, Guangdong, China 中国广东省深圳市宝安区西乡街道固戍航城大道纳高青年创业园 B 栋第 1 层
Report No. 报告编号:	NCT21001338XM1-1

Written by 编写: Vera Li



Approved by 批准: 

Inspected by 审核: Holy Wang

Date 日期: 2021.01.24



Report No.: NCT21001338XM1-1    Fax: 86-755-27790922    Page 1 of 12  
Hotline: 400-8868-419    http://www.sznc-testing.com





## UN38.3 检测报告

### UN38.3 Test Report


Client 委托方	Shenzhen Kangyuanda Technology Co., Ltd. 深圳市康元达科技有限公司
Add. of Client 委托方地址	3rd Flood, Building 12, Jinchenghejing Industrial Park, Hexiu, Xilu No.87, Heping Community, Fuhai street, Bao'an District, Shenzhen 深圳市宝安区福永镇福海街道和秀西路 87 号锦城和景产业园 12 栋 3 楼
Samples Description 样品名称	Li-ion Battery Pack 锂离子电池组
Model/Type 型号规格	18650-6.4V 3000mAh 19.2Wh
Testing Laboratory 测试机构	Shenzhen NCT Testing Technology Co., Ltd. 深圳诺测检测技术有限公司 1 / F, No. B Building, Mianshang Younger Pioneer Park, Hangcheng Road, Gushu Xixiang Street, Baoan District, Shenzhen, Guangdong, China 中国广东省深圳市宝安区西乡街道固戍航城大道纳高青年创业园 B 栋第 1 层 Phone 电话号码: +86-755-27790922 Email 邮箱: sales@nct-testing.com Website 网址: http://www.sznc-testing.com
Report No. 报告编号	NCT21001338XB1-1
Issued Date 发行日期	2021.01.24
Test Conclusion 测试结论:	Shown in the Conclusion of test report. 见检测报告结论页。

Tested by 主检人: Michael Lei

Approved by 批准人: 

Inspected by 审核人: Holy Wang

Seal of NCT 报告单位  
Date of Issue 签发日期: 2021.01.24



Report No. 报告编号: NCT21001338XB1-1    Fax: 86-755-27790922    Page 1 of 19 第 1 页共 19 页  
Hotline: 400-8868-419    http://www.sznc-testing.com





Address: 3rd Floor, Building 12, Jincheng Hejing Industrial Park, No. 87, Hexiuxilu,  
Heping Community, Fuhai Sub-District, Bao'an District, Shenzhen

Tel: +086 159 1988 3924 / +086 189 2676 8556

E-mail: [Judy@szkvd.com](mailto:Judy@szkvd.com)

Official website: [www.szkvd.com](http://www.szkvd.com)