



LED DRIVER CATALOGUE

Waterproof/ Intelligent/ Reliable

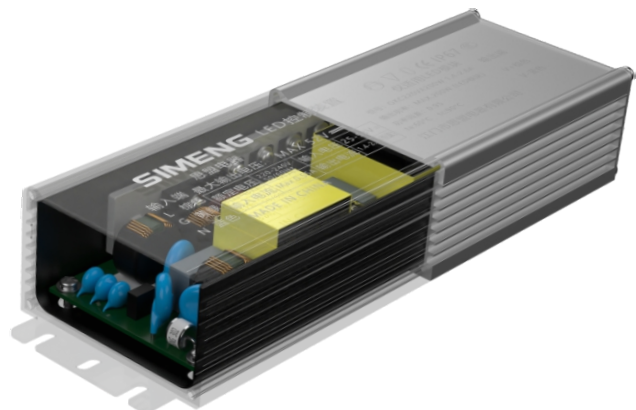
Think & United

Focus on Intelligent IoT Lighting

China National High Tech. Enterprises

Jiangmen Engineering Technology Research Center

www.simengled.com



Jiangmen Si Meng Electric Appliance Co., Ltd.

Simeng is a lighting industry supplier for the entire industry chain, responding to market demand quickly with the concept of quality + speed + service = value.

Mechanization, automation, standardization, digitization, and Internet + have become the core advantages of Simeng's manufacturing industry. The industrial modules include lamp R&D and manufacturing, LED lighting, electronic power supplies, hardware molds, hardware manufacturing, spraying assembly lines, acrylic manufacturing, engraving technology, lamps Design, precision hardware items, etc. From design and R&D to a lighting and lighting company in the entire industry chain, it has become a leading OEM and ODM supplier with cutting-edge technology and product service capabilities for lighting products in the entire industry. Simeng implements comprehensive ERP information data management, and workshop project management, optimizes operating procedures and improves efficiency.

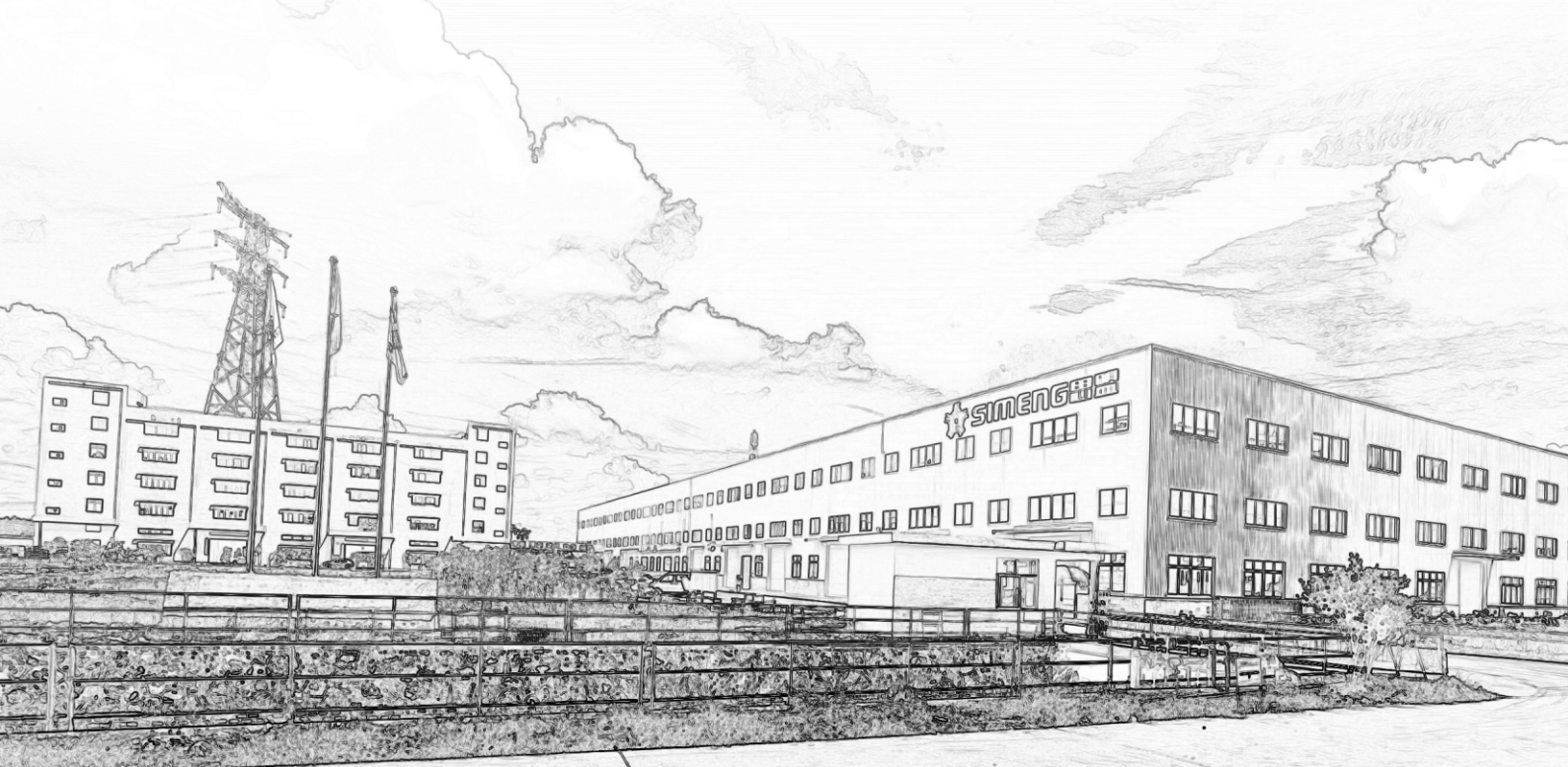
In order to ensure the quality of the entire operating system, it has successfully passed the ISO9001 2015 international quality management system certification.

Products have passed 3C, CE, RoHs and other certifications. The Simeng Industrial Park, covering an area of 50,000 square meters, focuses on the LED Application Department, the Power Supply Department, the Commercial Lighting Department, the Precision Hardware Department, the Lamp Hardware Kits Department, and the Acrylic Department.

There are currently about 400 employees. It is the so-called Thinking about the things of everyone, aligning everyone's ambition. The top and bottom are concentric and result-oriented. development of.

History >>>

- April 2004 Jinnuo Hardware Factory was founded in Haizhou, Guzhen, Zhongshan, take the fire emergency hardware as the entry point.
- May 2009 Fully transformed to lighting hardware accessories. Including round base, square base, and special-shaped customization as the main business.
- July 2009 Fully adopt mechanization, automation, Internet platform data sharing supply chain management.
- October 2009 Changed its name to ZHONGSHAN GUZHEN SAINUO Electric Appliance Factory, It has consolidated its foundation and reputation in the industry.
- November 2011 Established the commercial lighting department, main business is downlight, and opened three chain stores.
- September 2013 Newly build a standardized industrial plant in Hetang Town, Jiangmen City, mainly sale commercial lighting spare parts in the brand "欧帝森"
- October 2013 Launched the LED lighting application project, enter the field of lighting application industry.
- February 2017 In Pengjiang District, Jiangmen City Simeng Industrial Park covering an area of 50,000 square meters completed and fully put into use.
- May 2017 Fully implement enterprise ERP system management and project management, successfully passed the ISO9001 2015 international quality system certification.
- 2018 We are honored the title of Engineering Technology Center issued by Jiangmen Science and Technology Bureau.
- 2019 Won the title of Guangdong High-tech Enterprise.
- Dec. 2019 Fully enter the field of R&D and manufacturing of intelligent IoT systems.
- 2020 Set up an electronic workshop, To lay a solid last link to protect the entire industry chain.



Simeng Driver

National High-tech Enterprise, Jiangmen Engineering Technology Research Center.

Simeng has complete testing capabilities for power products and has an independent laboratory. It can detect various contents of safety regulations and manufacture power supplies that comply with safety regulations.

Simeng has residual voltage and surge detection equipment, 10KV level.

Have complete EMC testing equipment.

**PROFESSIONAL
EQUIPMENT**



Professional manufacturing of various safety power supplies.

Major suppliers of electronic components.



DOWSIL
silicones by



KB 建滔化工集团
Kingboard Chemical Holdings Ltd.

SEOL
SEOL SEMICONDUCTOR CO.,LTD

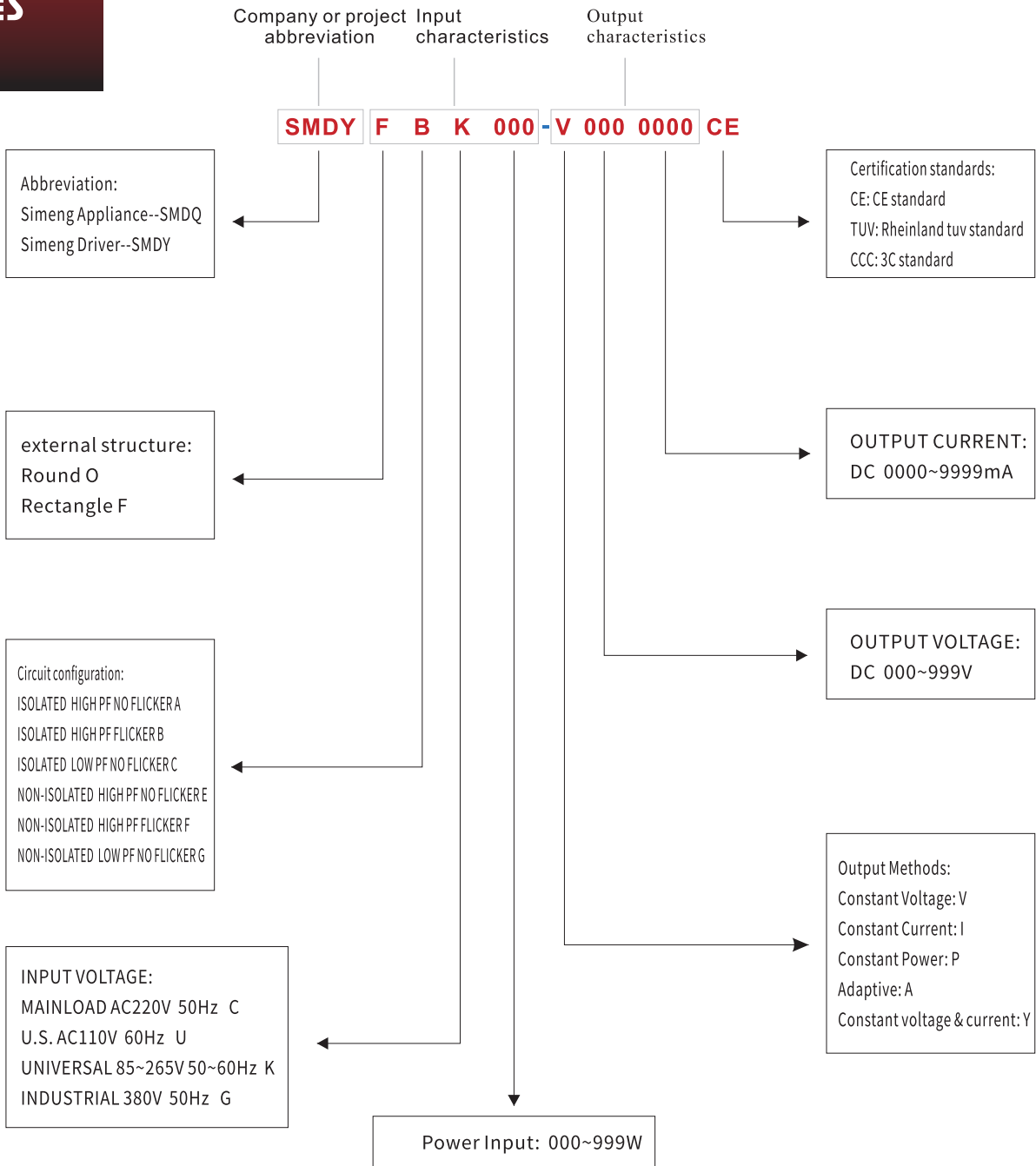


制造符合安规的电源

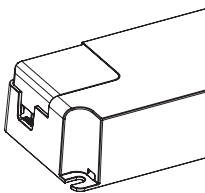
MODEL RULES

For example:

SMDY-FBK020-V0360600-CE(Simeng Driver - RECTANGLE HIGH PF FLICKER ISOLATED 85~265VINPUT20W-O UTPUT36V600mA-CE CERTIFICATE)

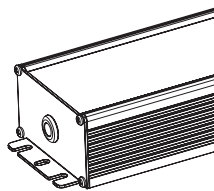


INDEX



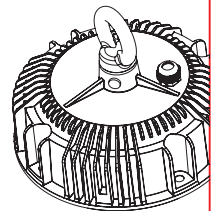
Intelligent Dimmable

01-07



Outdoor Waterproof

08-13



Certification Engineering

14-19

Whole House Intelligent Power Supply

Indoor intelligent dimmable

Powered by

tuya[®]

Intelligence
Inside

INTELLIGENT
DIMMABLE

Say goodbye to the traditional way, the lights at home can be controlled by smart switch panels, mobile apps, voice to control. Using smart power supply and other equipment, you can also set the color and brightness of the light in different scenarios, Create the atmosphere of different environments, one-click settings, free switching.



All products have 3 years
Optional with 5-year warranty



Wifi



Bluetooth



ZigBee



NB-IoT



4G LTE

Powered by

tuya

Intelligence
Inside

Whole House Intelligent Power Supply

Decide the lighting atmosphere as you like

Variety of control methods



Tuya



Mi



Baidu



Alexa Echo



Google Home

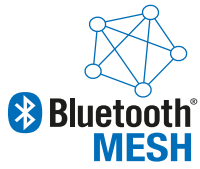


Tmall Genie

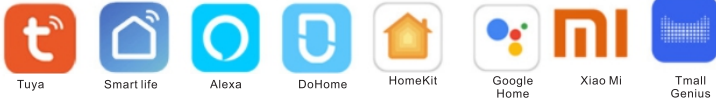


5PM
to
9PM

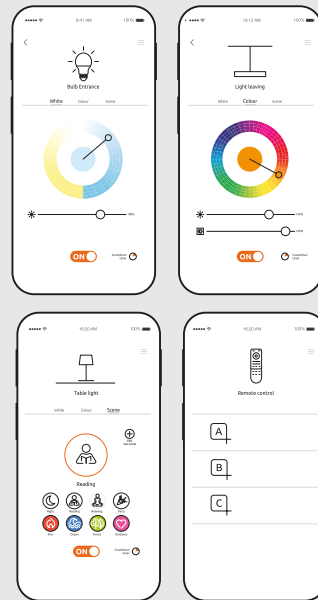




From cold to warm,
many colors are available



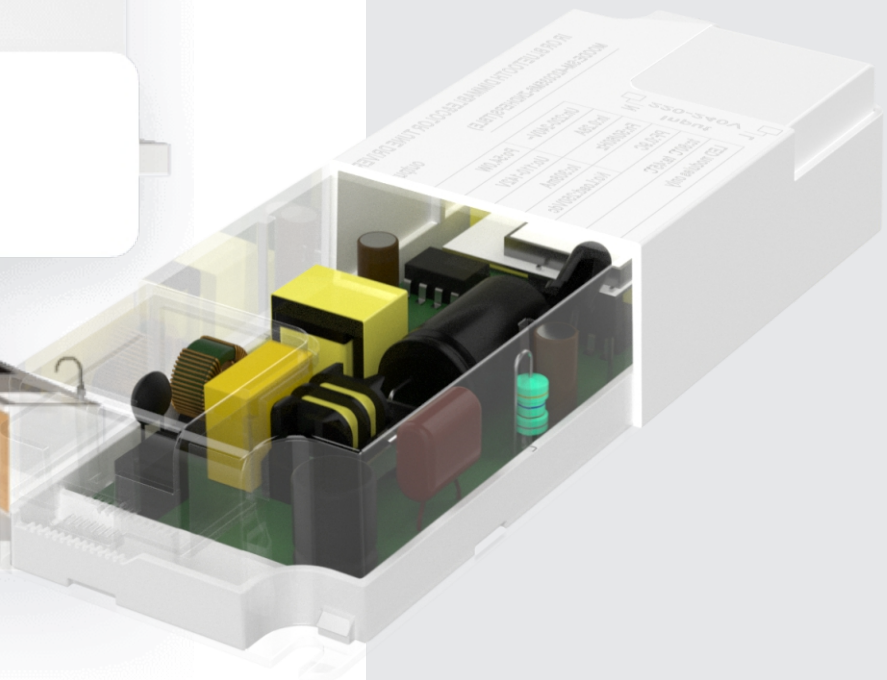
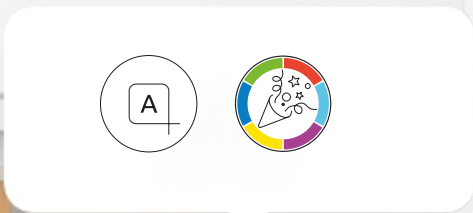
Imagine experiencing intelligence
and convenience



Voice Control



10PM
to
12PM



INTELLIGENT
DIMMABLE

Powered by

tuya[®]

Intelligence
Inside

Intelligent Dimmable CCT Tunable

A variety of color temperatures can be switched at will.

From day to night, to meet the needs of different places

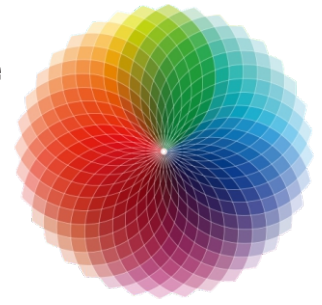


CCT Tunable

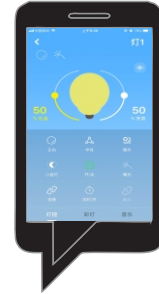
6500K

4000K

2700K



RGBW
Tunable



WW+CW



RGB+WW+CW



Dimmable

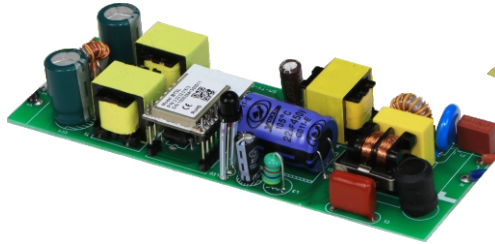


Remote Control

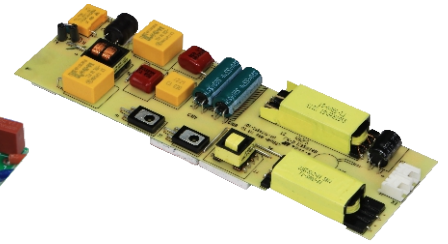
All components of the power supply are brand-name electronic components.



SMDY-FEL060-A1650350



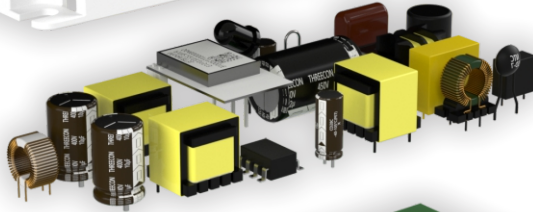
SMDY-FEL060-A1650350



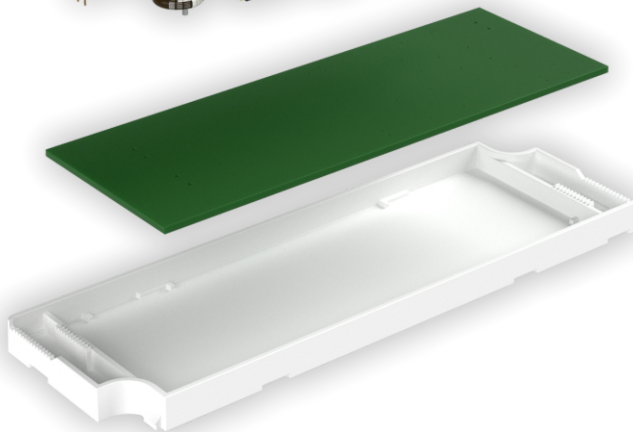
SNDY-FAK020-T0242320



High-quality plastic case, lighter.



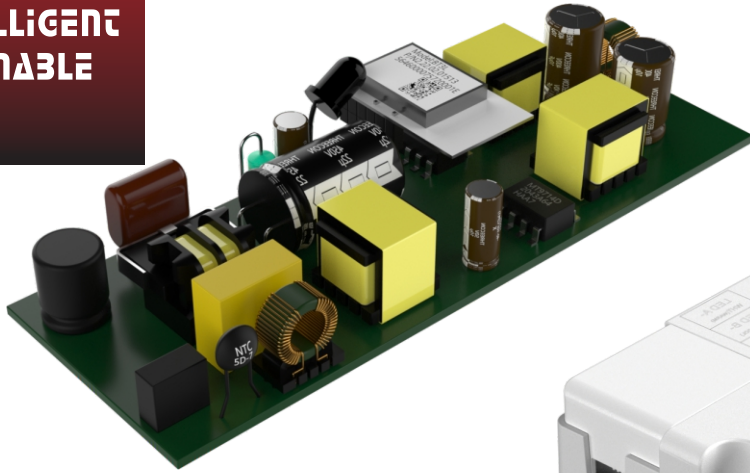
All components of the power supply are brand-name electronic components.



Using high-quality thermal conductive power potting glue, stable performance.



**INTELLIGENT
DIMMABLE**



Features

2.5KV residual voltage and surge protection

Short circuit protection, misconnection protection

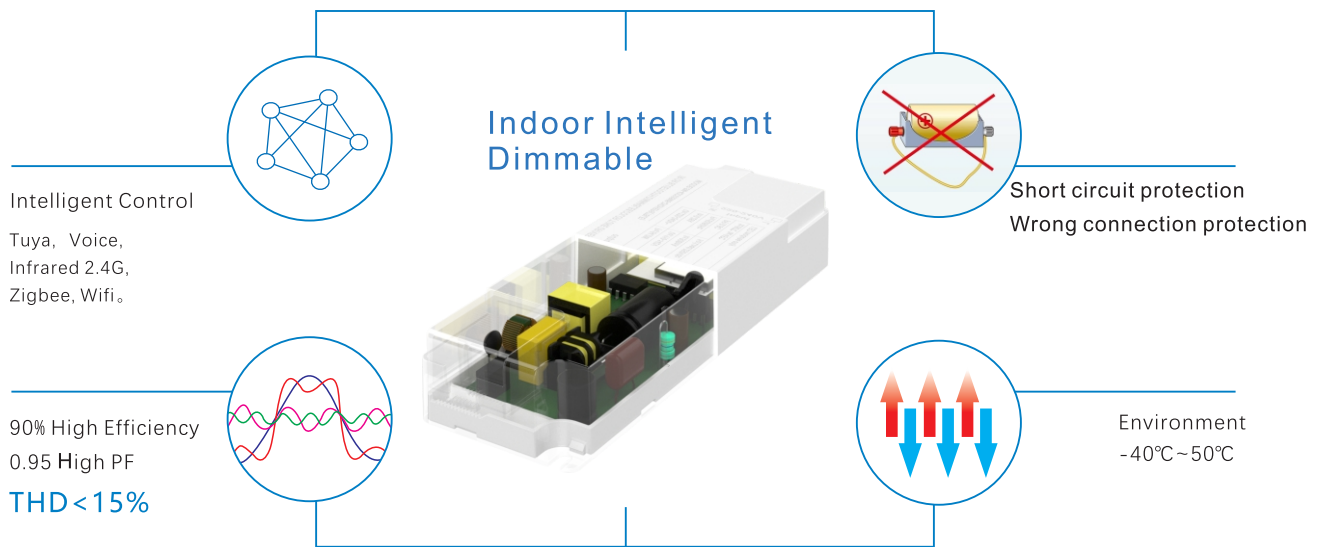
THD<15%

The ambient temperature is -40°C to 55 °C.

Protection level: CLASS II



战略合作



Surge Protection: **2.5KV**



Parameters



Intelligent control module dimming

Non-isolated

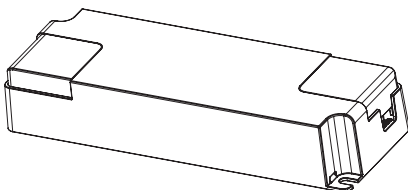
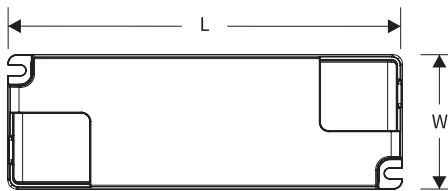
CCC/CE/TUV/SAA/CB certification

| Model | Circuit Configuration | Power Input | Power | Output Methods | Output Current | Output Voltage | PFC | Flicer | Efficiency | Shape |
|----------------------|-----------------------|--------------------|--------|------------------|----------------|----------------|------|--------|------------|-----------|
| SMDY-FFC120-I1350710 | Non-isolated | 176-264VAC 50/60Hz | 120W | Constant Current | 10-710mA | 135V | >0.9 | with | 90% | Rectangle |
| SMDY-OEC018-A0600300 | Non-isolated | 176-264VAC 50/60Hz | 12-18W | Adaptive | 10-300mA | 42-60V | >0.9 | no | 90% | Round |
| SMDY-FEC030-A1000300 | Non-isolated | 176-264VAC 50/60Hz | 24-32W | Adaptive | 10-300mA | 50-100V | >0.9 | no | 91% | Rectangle |
| SMDY-FEC040-A1300350 | Non-isolated | 176-264VAC 50/60Hz | 36-42W | Adaptive | 10-350mA | 80-130V | >0.9 | no | 88% | Rectangle |
| SMDY-FEC060-A1650350 | Non-isolated | 176-264VAC 50/60Hz | 45-60W | Adaptive | 10-350mA | 120-165V | >0.9 | no | 93% | Rectangle |

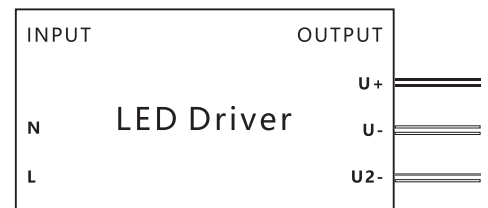
Isolated

| | | | | | | | | | | |
|----------------------|----------|-------------------|--------|------------------|--------|--------|------|------|-----|-----------|
| SMDY-FBK120-I0362600 | Isolated | 85-264VAC 50/60Hz | 120W | Constant Current | 2600mA | 25-36V | >0.9 | with | 93% | Rectangle |
| SMDY-FAK020-Y0240675 | Isolated | 85-264VAC 50/60Hz | 12-18W | Adaptive | 675mA | 24V | >0.9 | no | 90% | Round |
| SMDY-FAK020-Y0241200 | Isolated | 85-264VAC 50/60Hz | 24-32W | Adaptive | 1200mA | 24V | >0.9 | no | 90% | Rectangle |
| SMDY-FAK020-Y0241570 | Isolated | 85-264VAC 50/60Hz | 36-42W | Adaptive | 1570mA | 24V | >0.9 | no | 91% | Rectangle |
| SMDY-FAK020-Y0242320 | Isolated | 85-264VAC 50/60Hz | 45-60W | Adaptive | 2320mA | 24V | >0.9 | no | 93% | Rectangle |

Diagrams



Wiring



**OUTDOOR
WATERPROOF**



All products have 3 years
Optional with 5-year warranty

Outdoor Waterproof

Features

6KV residual voltage and surge protection.

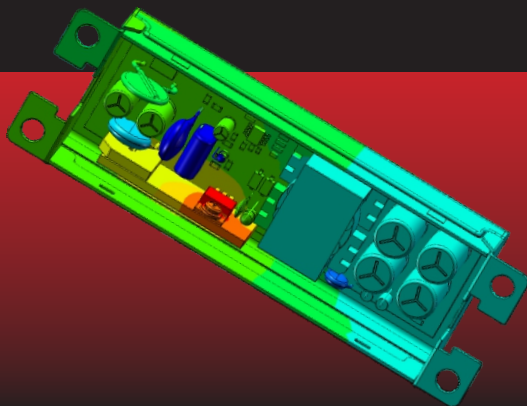
380V overvoltage protection can maintain the power supply for 24 hours without breaking.

Short circuit protection, misconnection protection

THD<15%

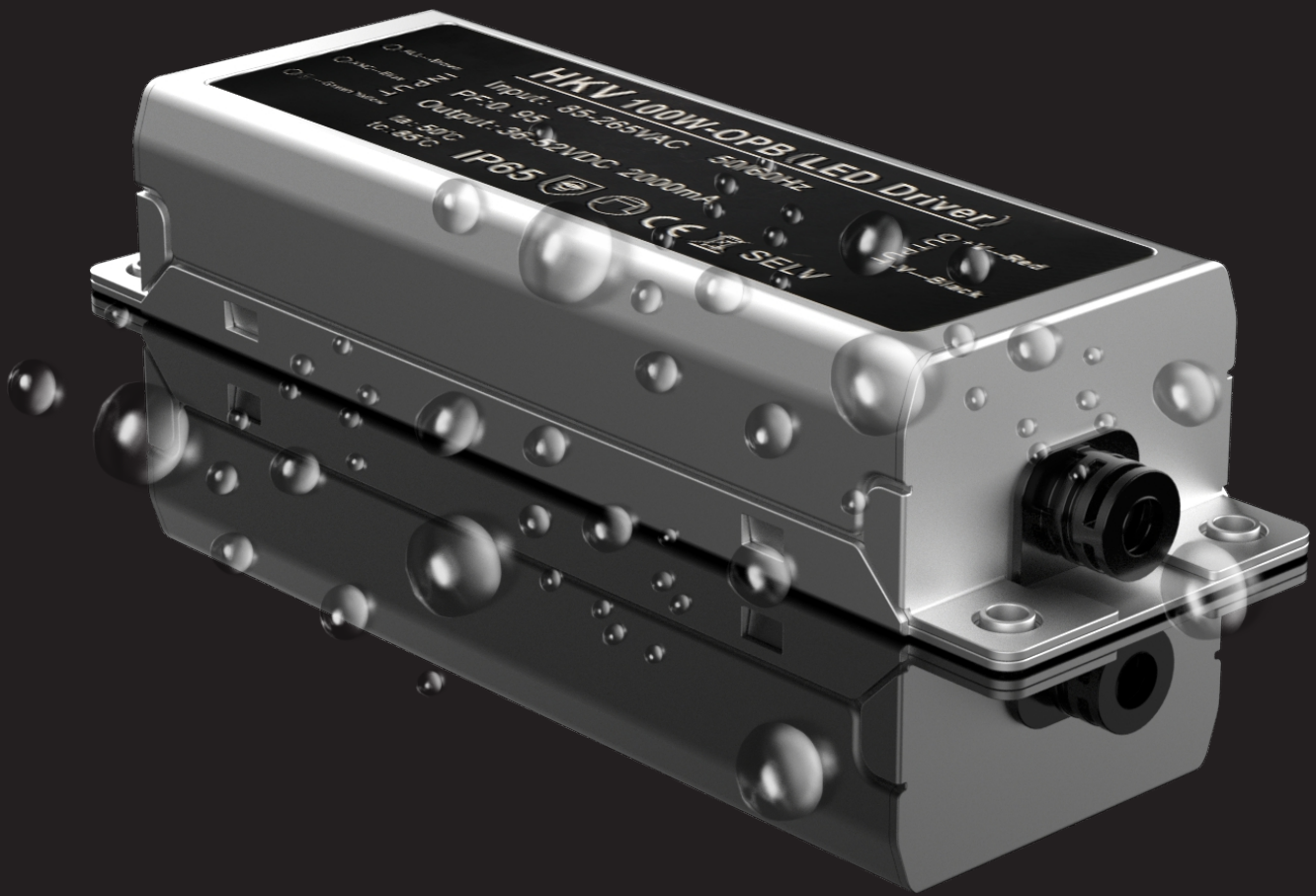
The ambient temperature is -40 °C to 55 °C.

Protection level: CLASS II



**OUTDOOR
WATERPROOF**

IP65



Outdoor Waterproof Engineering

For High Bay Lights
Street Lights
Flood Lights

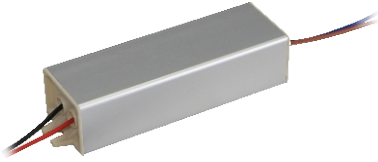


**OUTDOOR
WATERPROOF**

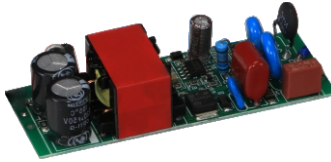


Can be widely used in various street lamps,
Floodlights, stadium lights,
Tower lights,
Garden lights etc.

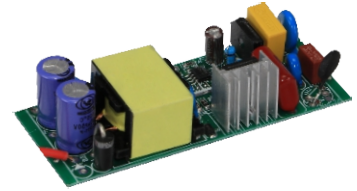
All components of the power supply are brand-name electronic components.



SMDY-FBK030-10360900



SMDY-FBK030-10360900



SMDY-FBK050-10361500



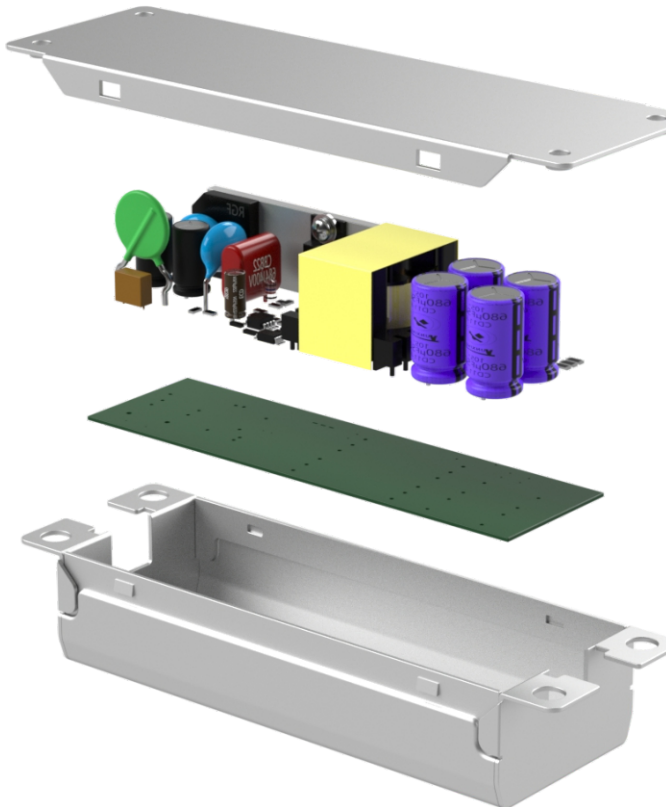
SMDY-FBK100-10423000



SMDY-FBK100-10423000



SMDY-FBK050-10800600



All components of the power supply are brand-name electronic components.

Using high-quality thermal conductive power potting glue, stable performance.

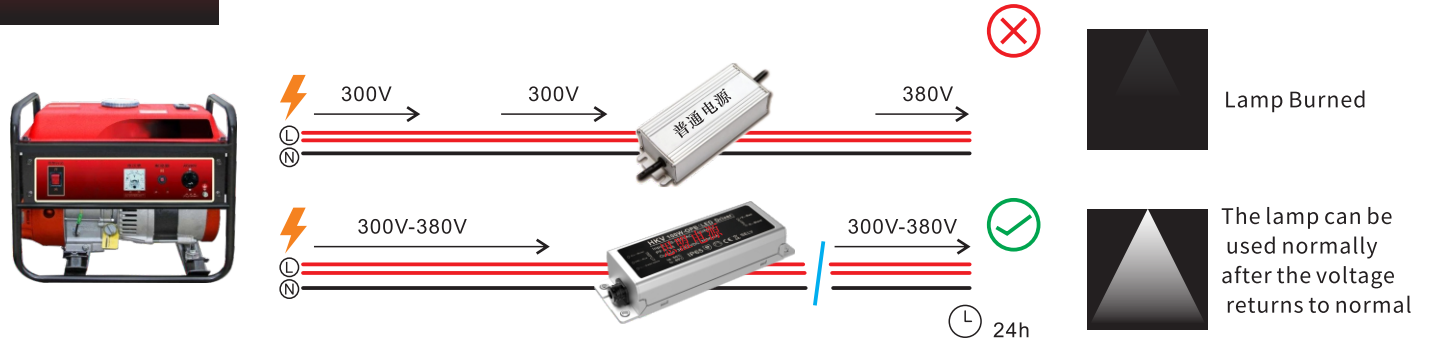
6063 Aluminum case for better heatsinking



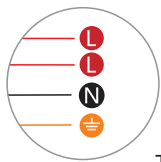
**OUTDOOR
WATERPROOF**

Features

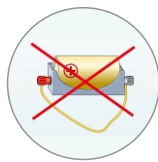
The high voltage 380V is automatically cut off,
and the power supply can be maintained for 24 hours without breaking



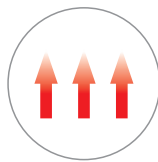
The power supply has three-phase line error protection,
short circuit, high temperature and low temperature protection. THD<15%



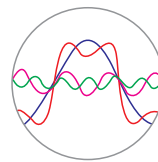
Three-phase
line error protection



Short circuit
protection



Over
temperature
protection



90% High Efficiency
0.95 high PF
THD<15%

It can be used normally under harsh environmental temperature.
-40 °C to 55 °C .



The lowest temperature can be used normally at -40°C



The highest temperature can be used normally at 55°C

Parameters

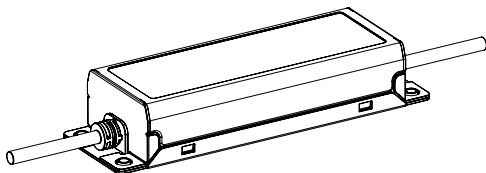
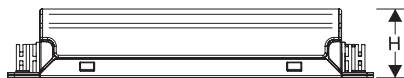


For High Bay Lights, Street Lights, Flood Lights

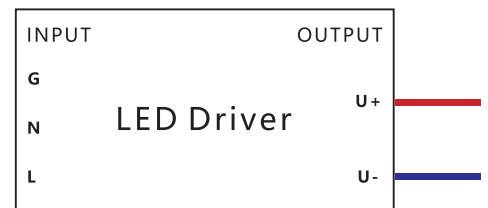
CCC/CE/TUV/SAA/CB certification

| Model | Circuit Configuration | Power Input | Power Output | Output Methods | Output Current | Output Voltage | PFC | Flicker | Efficiency | Shape | Size (mm) | Weight (g) |
|----------------------|-----------------------|-------------------|--------------|------------------|----------------|----------------|------|---------|------------|-----------|--------------|------------|
| SMDY-FBK010-I0360300 | Isolated | 85-264VAC 50/60Hz | 10W | Constant Current | 300mA | 25-36V | >0.9 | With | 85% | Rectangle | L68*W25*H20 | 70 |
| SMDY-FBK020-I0360600 | Isolated | 85-264VAC 50/60Hz | 20W | Constant Current | 600mA | 25-36V | >0.9 | With | 86% | Rectangle | L78*W30*H20 | 100 |
| SMDY-FBK020-I0600300 | Isolated | 85-264VAC 50/60Hz | 20W | Constant Current | 300mA | 45-60V | >0.9 | With | 86% | Rectangle | L78*W30*H20 | 100 |
| SMDY-FBK030-I0360900 | Isolated | 85-264VAC 50/60Hz | 30W | Constant Current | 900mA | 25-36V | >0.9 | With | 88% | Rectangle | L96*W30*H22 | 110 |
| SMDY-FBK030-I0600600 | Isolated | 85-264VAC 50/60Hz | 30W | Constant Current | 600mA | 45-60V | >0.9 | With | 88% | Rectangle | L96*W30*H22 | 110 |
| SMDY-FBK050-I0800600 | Isolated | 85-264VAC 50/60Hz | 50W | Constant Current | 600mA | 60-80V | >0.9 | With | 89% | Rectangle | L108*W36*H24 | 160 |
| SMDY-FBK050-I0361500 | Isolated | 85-264VAC 50/60Hz | 50W | Constant Current | 1500mA | 25-36V | >0.9 | With | 89% | Rectangle | L108*W36*H24 | 160 |
| SMDY-FBK060-I0421800 | Isolated | 85-264VAC 50/60Hz | 60W | Constant Current | 1200/1800mA | 25-42V | >0.9 | With | 89% | Rectangle | L167*W53*H32 | 270 |
| SMDY-FBK070-I0422100 | Isolated | 85-264VAC 50/60Hz | 70W | Constant Current | 1500/2100mA | 25-42V | >0.9 | With | 89% | Rectangle | L167*W53*H32 | 270 |
| SMDY-FBK080-I0422400 | Isolated | 85-264VAC 50/60Hz | 80W | Constant Current | 1700/2400mA | 25-42V | >0.9 | With | 90% | Rectangle | L167*W53*H32 | 480 |
| SMDY-FBK100-I0423000 | Isolated | 85-264VAC 50/60Hz | 100W | Constant Current | 2100/3000mA | 25-42V | >0.9 | With | 91% | Rectangle | L167*W53*H32 | 480 |

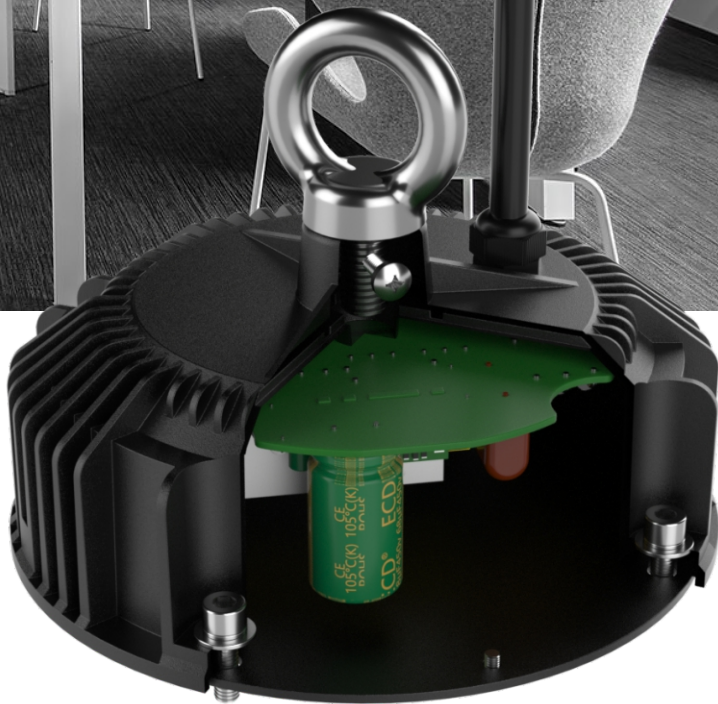
Diagrams



Wiring



**CERTIFIED
ENGINEERING**





Indoor Certification Engineering Series

Industrial lamps, office lamps, linear lamps, educational lighting

Certified engineering series power supply: 10KV residual voltage and surge protection

Office certified engineering power supply: 2.5KV residual voltage and surge protection

380V overvoltage protection can maintain the power supply for 24 hours without breaking

Short circuit protection, wrong connection protection; THD<15% Ambient temperature

-40 °C to 55 °C

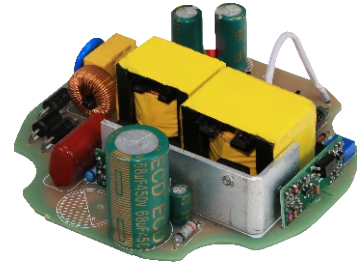
Protection level: CLASS II



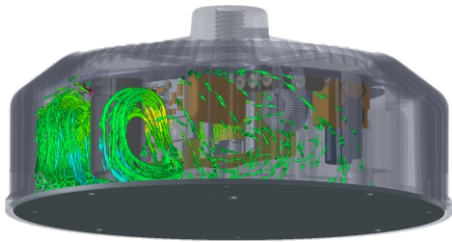
All products have 3 years
Optional with 5-year warranty

www.simengled.com | 15

Technology



Thermal Control



Using advanced FEA technology,
Optimize the structure in advance,
Bring customers cost-effective and
reliable products.

High power efficiency, low power consumption,
low heat generation in the lamp,
reducing the temperature
rise of the lamp, and helping to delay the
light decay of the LED;

All components of the power supply are brand-name electronic components.



DOWSIL
silicones by

KB 建滔化工集团
Kingboard Chemical Holdings Ltd.

SEOUL
SEOUL SEMICONDUCTOR CO.,LTD

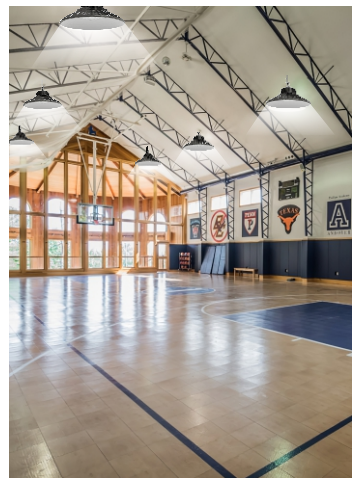
PHILIPS



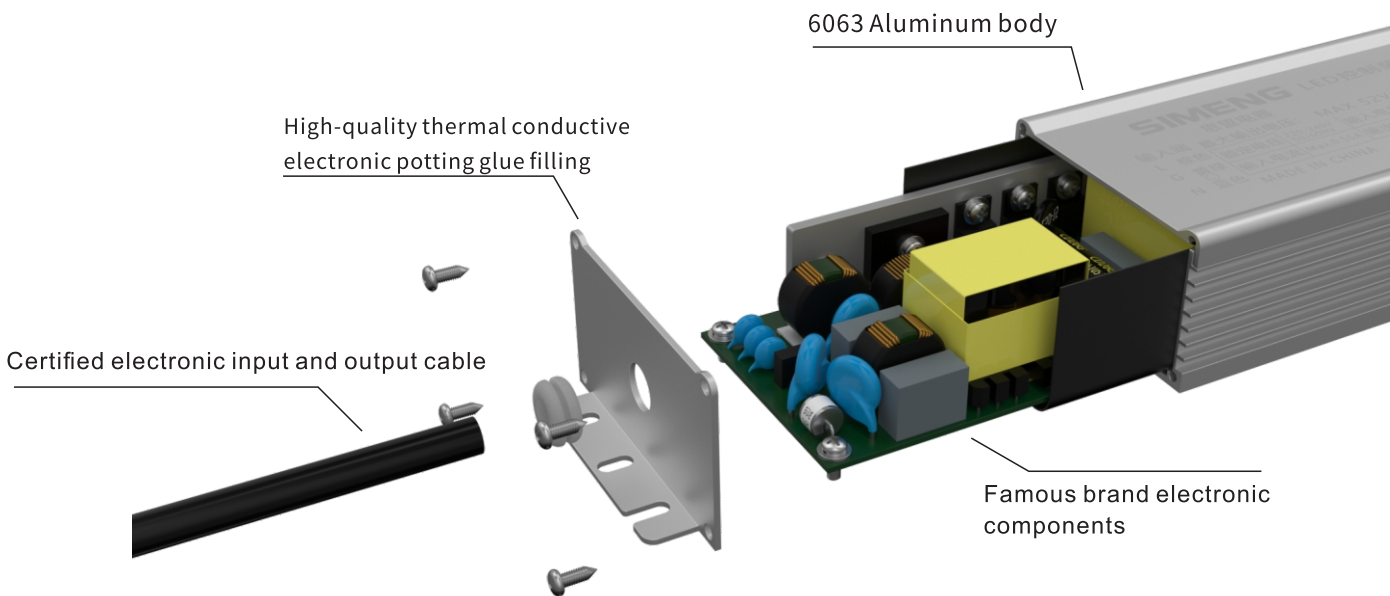
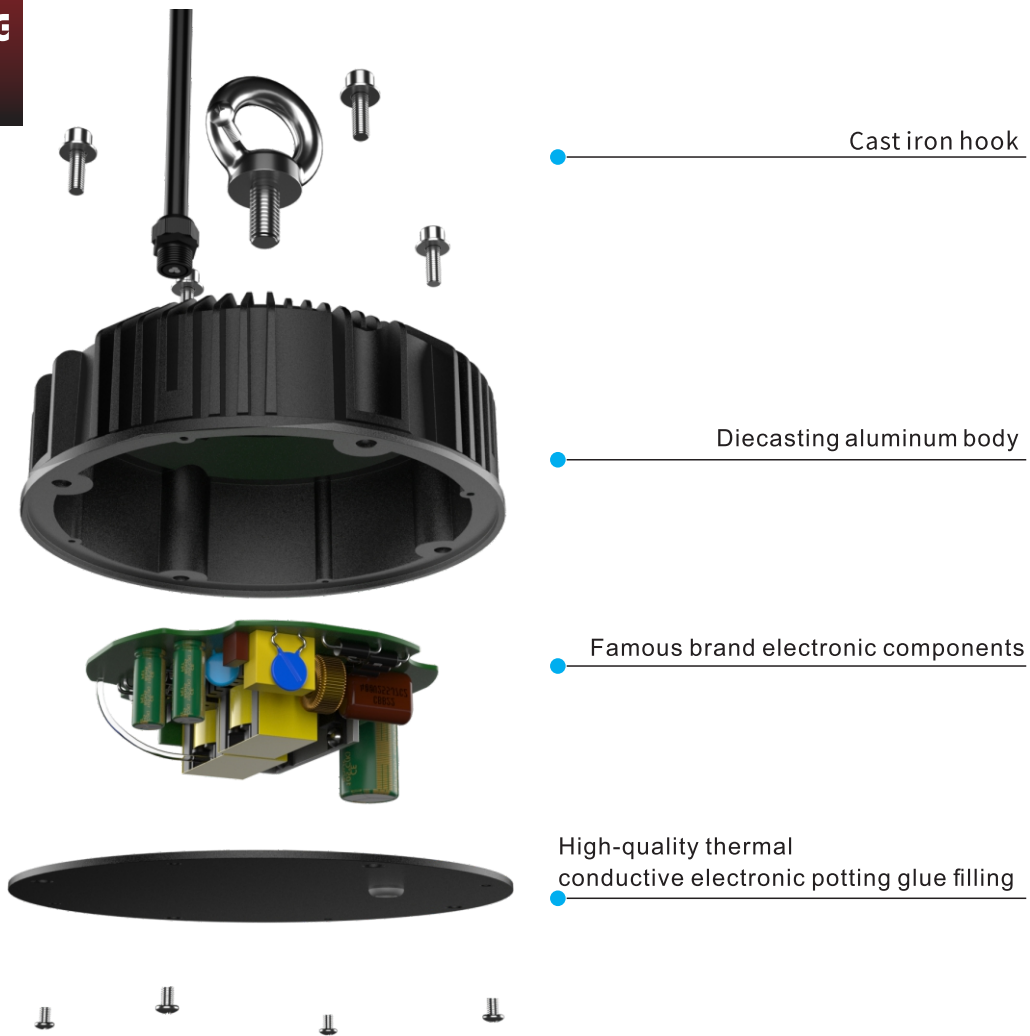
On-Bright
Brighten Your Life

BPS 晶丰明源

SAMSUNG

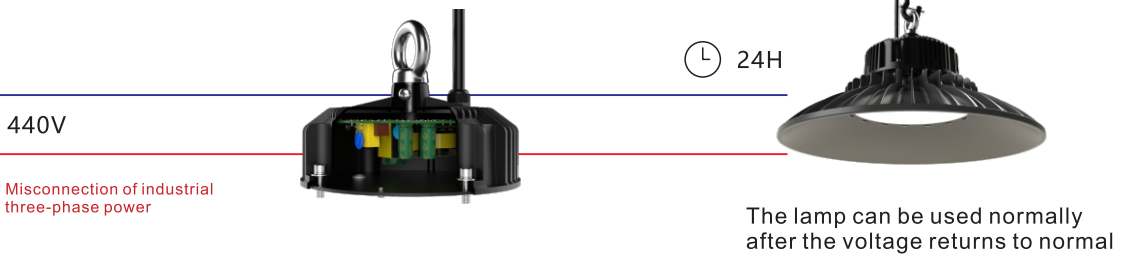
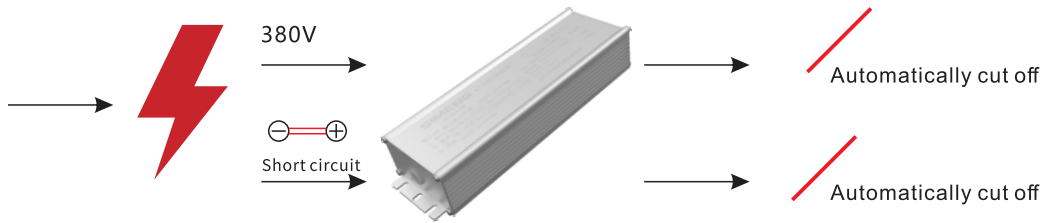


All components of the power supply are brand-name electronic components.



Features

The high voltage 380V is automatically cut off, and the power supply can be maintained for 24 hours without breaking; short circuit protection; wrong connection protection.



Strong weather resistance, no fear of extreme temperature differences; durable.

Environment -40°C~55°C



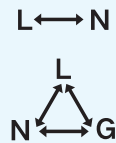
Surge Protection: **10KV**



Surge Protection



Lightning protection



Parameters



Certification Engineering Series

CCC/CE/TUV/SAA/CB certification

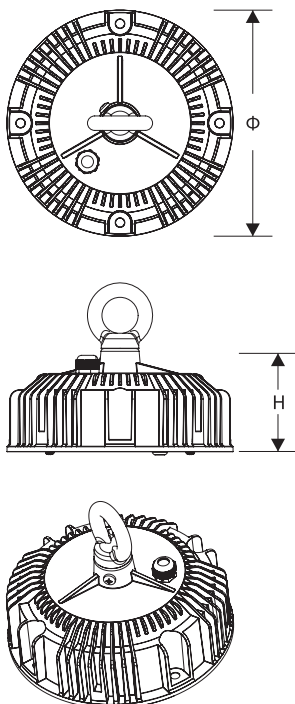
Non-isolated

| Model | Circuit Configuration | Power Input | Power | Output Methods | Output Current | Output Voltage | PFC | Flicker | Efficiency | Shape | Size (mm) | Weight (g) |
|----------------------|-----------------------|--------------------|--------|----------------|----------------|----------------|------|---------|------------|-----------|-----------|------------|
| SMDY-FEC024-A0600280 | Non-isolated | 176-264VAC 50/60Hz | 18-24W | Adaptive | 220/280mA | 42-60V | >0.9 | With | 90% | Rectangle | | |
| SMDY-FEC036-A1000280 | Non-isolated | 176-264VAC 50/60Hz | 25-36W | Adaptive | 220/280mA | 50-100V | >0.9 | No | 90% | Rectangle | | |
| SMDY-FEC042-A1650350 | Non-isolated | 176-264VAC 50/60Hz | 36-42W | Adaptive | 280/350mA | 80-130V | >0.9 | No | 91% | Rectangle | | |
| SMDY-FEC060-A1650350 | Non-isolated | 176-264VAC 50/60Hz | 45-60W | Adaptive | 280/350mA | 120-165V | >0.9 | No | 93% | Rectangle | | |

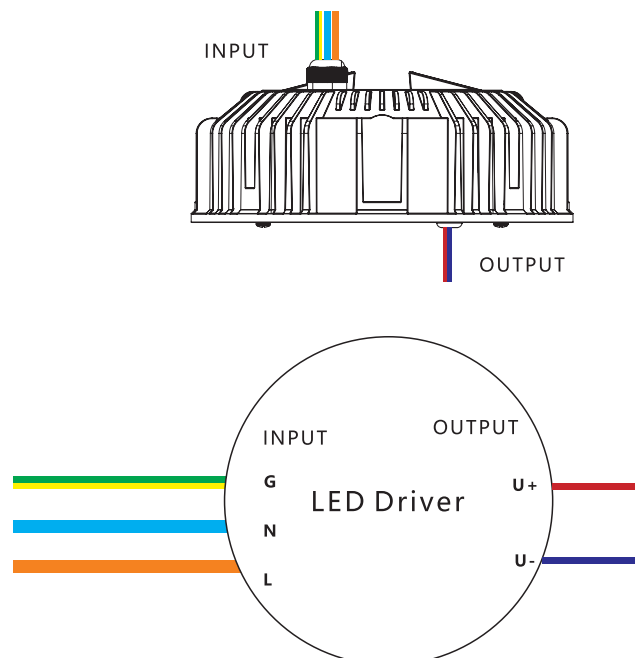
Isolated

| | | | | | | | | | | | |
|----------------------|----------|-------------------|------|------------------|--------|--------|------|------|-----|-------|----------|
| SMDY-UBK100-I0482100 | Isolated | 85-264VAC 50/60Hz | 100W | Constant Current | 2100mA | 25-48V | >0.9 | With | 91% | Round | Φ130*H75 |
| SMDY-UBK150-I0483150 | Isolated | 85-264VAC 50/60Hz | 150W | Constant Current | 3150mA | 25-48V | >0.9 | With | 93% | Round | Φ150*H75 |
| SMDY-UBK200-I0484200 | Isolated | 85-264VAC 50/60Hz | 200W | Constant Current | 4200mA | 25-48V | >0.9 | With | 93% | Round | Φ150*H75 |

Diagrams



Wiring



Focus on Intelligent IoT Lighting



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