

NUVOLT
LIGHTING

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Authorized Distributor

Product Profile

江蘇博思維光電集團

博思維光電

Urban and road lighting engineering professional contracting first-level

Lighting design special second-level security engineering enterprise

Design and construction maintenance ability first-level

Highway traffic engineering (highway safety facilities sub-item) professional contracting second-level

Highway traffic engineering (highway mechanical and electrical engineering sub-item) Second-level

Electronic and intelligent engineering professional contracting second-level

General contracting of municipal public works contracting Third-level

General Contracting of Power Engineering Construction Participant Level 3 Professional Contracting of

Power Transmission and Transformation Engineering

National High-Tech Enterprise

Jiangsu Province famous trademark

Jiangsu Province Graduate Work Station

Jiangsu Province Private Technology Enterprise Jiangsu Engineering Technology Research Center

Yangzhou Engineering Technology Research Center

- CMMI Software Certification Enterprise

Gaoyou Lighting Association Director Unit

China Photovoltaic Association Drafting Unit

Industrial and Internet Integration Pilot Enterprise

Lighting Engineering Design, Electricity, Construction, Operation, Maintenance Integrator

ENTERPRISE PROFILE BSV

JIANGSU BOSIWEI OPTOELECTRONICS GROUP CO., LTD., which includes three production-oriented enterprises, one construction enterprise, one research organization and one import and export enterprise, focuses on the development of outdoor illuminated lighting and intelligent transport systems. Our group belongs to first-level enterprise of Jiangsu Province and national high-tech enterprise. We also pass the German CAMA certification software. We have the following qualifications, including the National First-level Installation qualification of Street Lights, the Second-level Qualification for Electronic Intelligence, the First-level Qualification for Security, the First-level Qualification for Computer System Integration, the Second-level Qualification for Highway Traffic Engineering Safety Facilities, and the Second-level Qualification for Highway Traffic Engineering Mechanical and Electrical Engineering, Three-level Qualification for Municipal Assembly Package, famous-brand products in Jiangsu Province, director unit of Gaoyou Lighting Association, Drafting Unit of China Photovoltaic Association, and the integrator of Lighting Engineering Design, Construction, Operation and Maintenance.

The company is located in the Lingtang Photoelectric Industrial Park, Gaoyou, Yangzhou, Jiangsu Province. The group has focused on the long-term development of new LED lamps, light sources, traffic lights, new intelligent transportation products, that is strictly in accordance with ISO-9001 management system. The company has developed LED optics and solar photovoltaic development research with great breakthroughs which has passed CE, CCC and CQC, 9002, 14001, and Golden Solar certification, and a number of patents, national certificates, test reports, etc., Traffic signal lights have passed a lot of national inspection reports and certificates, which have won the Ministry of Transportation's Quality Product Engineering Award for many times.

The company continues to introduce talents to improve and research products. With many years of experience and the improvement of technology, our group has achieved breakthrough in technology. The street lighting products and traffic series products, which are produced by our company, no matter from the angle of appearance, heat dissipation, intelligence and illumination performance, are all guaranteed!

The products produced by the group, including LED series, LED hurdle lamp, traffic signal lights, display screens, traffic signs, traffic intelligent computer system development, LED high-power street lights, solar photovoltaic power system. Our group undertakes urban smart lighting, municipal EMC energy-saving lighting project management mode, LED bridge lighting, city and highway display screens, traffic light communication, high mast lights, combination lights, courtyard lights, building group lighting, lawn lights, most viewing lights, floodlights, mobile traffic police signal lights, square lighting luxury lighting design, urban 3D lighting animation design plan, installation and maintenance and SMT foundry.

The company adheres to the concept of "service first, quality first, reputation first", only development can survive, and only innovation can grow. The Group will integrate technology, resources and human capital. With the spirit of diligence and innovation, and the guidance of scientific management, we gather the joint forces of employees and customers, and adhere to the idea of diversified development with marketing as the leader, technological innovation and capital management as the wings. Welcome domestic and foreign merchants to join the group, who can offer suggestions for the group, and can get mutual benefit, assist each other to grow bigger and stronger. We try our best to make high-quality products to achieve rapid development of the enterprise, and provide users with one-stop service!



CORPORATE CULTURE BSV

CORPORATE VALUE

Serve every customer, achieve every employee

CORPORATE MISSION

Let the light of wisdom shine on every corner of the world

CORPORATE VISION

Be a global leader in high-end intelligent lighting products

BRAND CONCEPT

Create quality products of the times, achieve a hundred-year foundation

CORPORATE CULTURE

Integrity, practicability, efficient, innovation

BRAND POSITIONING

International, high-end, smart

TALENT CONCEPT

Take a lower as well as a higher post, choose the best talents

DEVELOPMENT HISTORY BSW



Bosiwei BSW
CORPORATE STYLE



Bosiwei **BSW**
CORPORATE STYLE



Large bending machine



Automatic welding



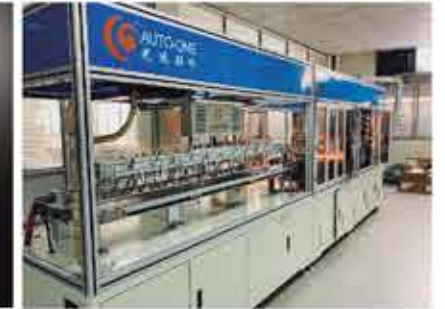
Polishing the pole



Analog vibrometer



Optical laboratory



PV workshop stringer



Spray workshop



Laser cutter



Imported large plasma cutting machine



Solar laminator



Traffic light workshop



Wave soldering



Punch



Hydraulic shears



Light pole workshop



Plug-in machine



Sign Division



Eliie Digital Inkjet Printer



LED Light workshop



Automatic placement machine



Constant temperature and humidity testing machine



Hydraulic shears



Road Traffic light controller



Road monitoring system

Bosiwei 
PRODUCT CONTENTS

Solar street light

All in one solar street light



All in two solar street light



Split solar street light



Wind hybrid solar street light



AC Street light



Solar garden light

Integrated solar garden light



Bosiwei BSV
PRODUCT CONTENTS

LED garden light



Crystal ball



Zhong sen



Star train



Astral space

High mast



Poseidon

Led flood light



Cera



Highbays



Chok

Solar power systems



Solar pump



- High Efficiency Solar Panels
- Efficient Controller
- Li-Ion or LiFePO4 battery
- Amorphous PDU LED chip
- IP67 and IP68
- Approved to UL listing agencies
- Maximum safety
- IP68

hard-hearted,
The pillar of fame,
Climbing does not end with difficulties and dangers,
It must reach the mountains.

Climber
integrated solar street light



LAMP DISPLAY ▶▶



Optional camera



Battery switch prevents battery over discharge



Strong overall structure and high firmness Strong impact resistance



IK08



IP65



Fall arresters prevent birds from landing Prevent contamination solar panels



Induction by microwave Smart Power Regulation



Adopt high-efficiency lens UV resistant Corrosion resistant



High Efficiency Monocrystalline Solar Energy The photoelectric conversion rate of the solar panel is 19.9%



removable storage Controls the integrated battery compartment



BSW-PDZ.TYN >>



Minimal but not simplify

The all-in-one solar street light for Climbers is very simple, no need to bury batteries, no complicated wiring or settings. All you need to do is attach the light head to the pole and that's it. It will automatically turn on the lights when night falls, and automatically turn off the lights when it is dawn. Automatically lowers the brightness when no one is there to save energy, and when you get close, it instantly illuminates you at four times the brightness.

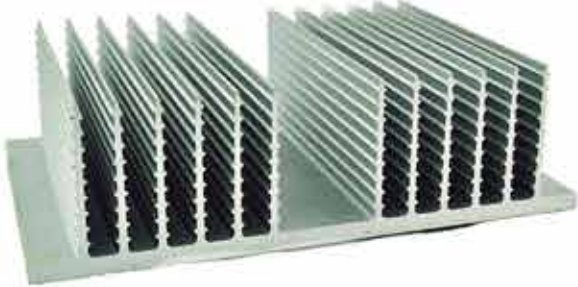


Storage Control Integrated Battery Box

Using high-quality lithium iron phosphate battery, the built-in control module stabilizes the voltage and limits the current, intelligently detects the battery voltage, and effectively protects the lithium battery pack. When the output voltage is too high or the output voltage is too low, it will not be damaged and prolong the battery life. Its structure is simple, stable performance and easy maintenance. The battery box is made of high-strength nylon engineering plastic, which is superior to other polymer materials and has ultra-high mechanical properties, durability, corrosion resistance and heat resistance.

Smart controller

MPPT maximum power tracking technology, tracking efficiency as high as 99.5%, charging efficiency as high as 96%, intelligent power adjustment, automatic adjustment of load power, making the entire system more efficient, energy-saving and stable.

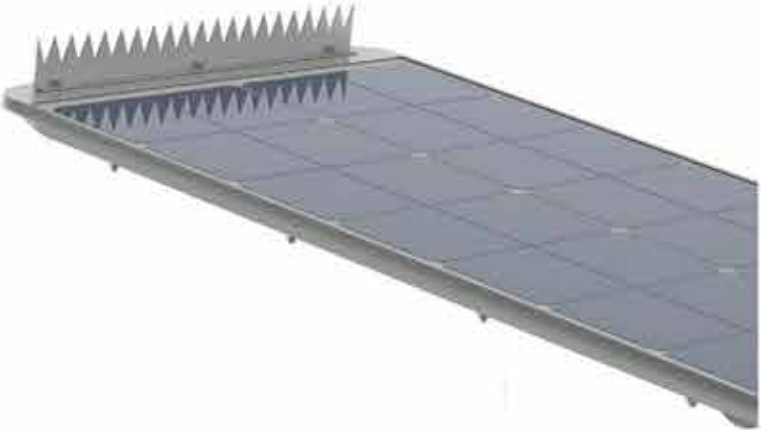


Efficient heat sink

Excellent thermal conductivity and large heat exchange area are beneficial to speed up heat exchange and take away more heat, so as to achieve the ideal heat dissipation effect.

High-efficiency photovoltaic panels

The material selection is strict, after many tests and classifications, qualified cells are selected, and a special lamination process is adopted to ensure the bonding strength between Evi and tempered glass and backplane. The utility model has the advantages of good performance, long service life and high power generation efficiency.



LAMP STRUCTURE ▶▶

High-strength support parts

The supporting parts are made of stainless steel. The isotropy of the cast steel material and the overall structure of the cast steel parts are strong, which improves the firmness of the product and has strong impact resistance. Sturdy and durable, wind and rain, cold and summer, do not change its true color.



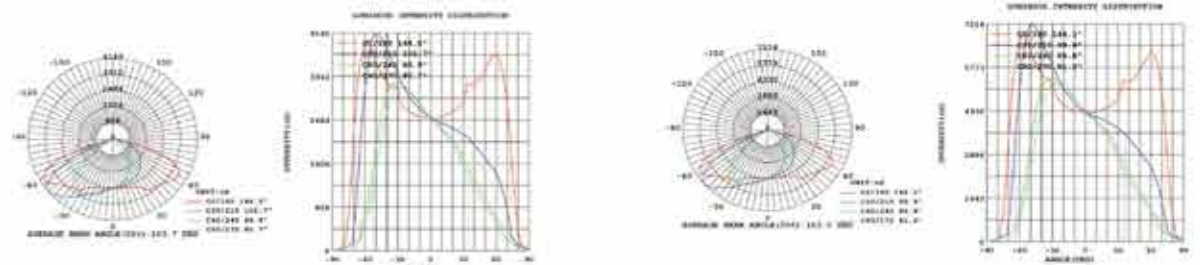
WIND RESISTANCE TEST ▶▶



CE TEST REPORT ▶▶

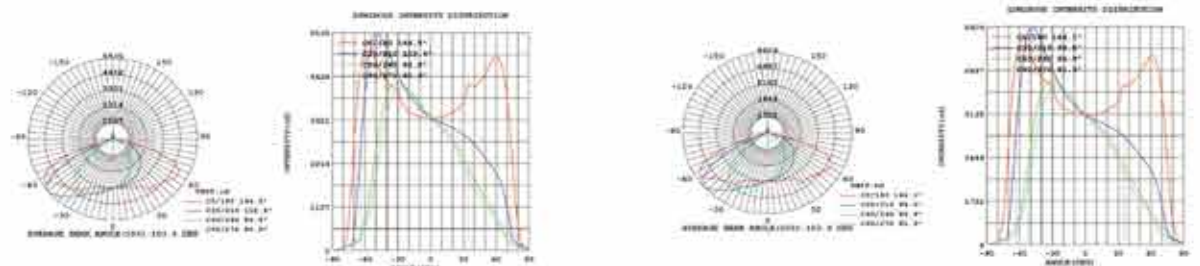


LIGHT DISTRIBUTION CURVE ▶▶



PDZ-60W5700K2MODE

PDZ-100W5700K3MODE



PDZ-80W5700K2MODE

PDZ-120W5700K3MODE

Microwave Smart Sensor

The third-generation microwave induction technology, strong anti-interference ability, long sensing distance, MPPT maximum power tracking technology, tracking efficiency up to 99.5%, charging efficiency up to 96%, intelligent power adjustment, automatic adjustment of load power, making the entire system more efficient and energy-saving. Stabilize.



Batwing light distribution module

The specially customized patented lens, combined with high-quality aluminum substrate and sealed lens, improves the lighting effect of the lamp, makes the lighting uniformity better and better, and improves the road lighting effect.



INTELLIGENT MICROWAVE INDUCTION >

The intelligent battery control system can automatically adjust the output power of the lamps according to the battery storage capacity, effectively prolonging the Long working hours of lamps, even in continuous rainy weather, can ensure that solar street lamps continue to work

100% brightness when there are people

50% brightness when no one is there



50% brightness when there are people

25% brightness when no one is there



For example:

when the battery is fully charged, the standard output of the lamp power (100% brightness when there are people, 25% brightness when no one is there)

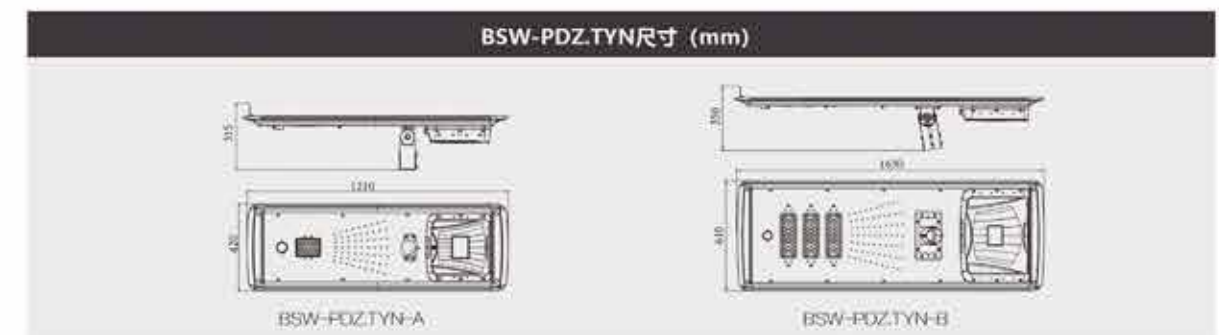
When the battery storage power is insufficient, reduce the output power of the lamp (20% brightness when there are people, 5% brightness when no one is there)

SPECIFICATION >>

| PRODUCT MODEL | BSW-PDZTYN-01 | BSW-PDZTYN-02 | BSW-PDZTYN-03 | BSW-PDZTYN-04 |
|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|
| Rated power | 60W-80W | 100W | 120W | 150W |
| Lithium battery | DC12.8V/50AH | DC25.6V/30AH | DC25.6V/40AH | DC12.8V/50AH |
| Solar panel | 100W(18V.5W) | 120W(36V.5W) | 160W(36V.5W) | 100W(18V.5W) |
| Solar panel size | 985X600mm | 1165X600mm | 1485X600mm | 1485X600mm |
| Number of modules | 2 | 2 | 3 | 3 |
| Color temperature | 3000K-6500K | 3000K-6500K | 3000K-6500K | 3000K-6500K |
| Color rendering index | >Ra70 | >Ra70 | >Ra70 | >Ra70 |
| Working temperature | -10°C-70°C | -10°C-70°C | -10°C-70°C | -10°C-70°C |
| Working environment | 10-90% | 10-90% | 10-90% | 10-90% |
| LED light effect | 180lm/W | 180lm/W | 180lm/W | 180lm/W |
| The life of lamp | >50000H | >50000H | >50000H | >50000H |
| Waterproofing grade | IP65 | IP65 | IP65 | IP65 |
| Controller type | With induction:MES60 | With induction:MES120 | With induction:MES120 | With induction:MES200 |
| Pole diameter | Φ76mm | Φ76mm | Φ76mm | Φ76mm |
| Installation height | 6-8m | 8-10m | 8-10m | 8-10m |
| Lamp size | 1130x610x225mm | 1310x610x225mm | 1630x610x225mm | 1630x610x225mm |



PRODUCT SIZE >



WORKSHOP PRODUCTION MAP >>



FOREIGN TRADE EXPORT >>



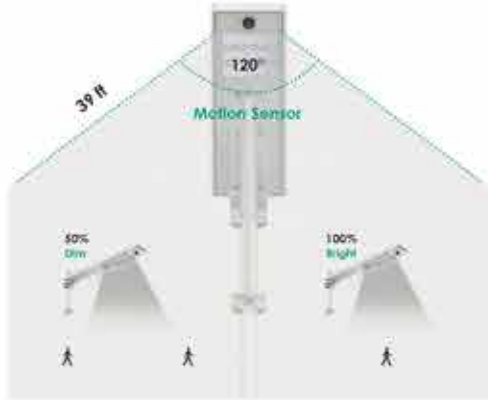
ALL IN ONE SOLAR STREET LIGHT



Product Parameter

| Power | BSWLH.DZ(60W) | BSWLH.DZ(100W) | BSWLH.DZ(150W) | BSWLH.DZ(200W) |
|------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Lumen | 110 lm/W | 120 lm/W | 120 lm/W | 120 lm/W |
| LED Chip | SMD3030 | SMD3030 | SMD3030 | SMD3030 |
| CRI | >80 | >80 | >80 | >80 |
| CCT | 3000K / 4000K / 6000K | 3000K / 4000K / 6000K | 6000K | 6000K |
| Solar Panel | 18V/40W 820*275mm | 18V/70W 1070*275mm | 18V/100W 1070*400mm | 18V/130W 1320*510mm |
| Battery | 12.6V,17.6AH | 12.6V,26.4AH | 12.6V,50AH | 12.6V,60AH |
| Material | Aluminium Alloy | Aluminium Alloy | Aluminium Alloy | Aluminium Alloy |
| Charging Time | 5.6hrs | 5.6hrs | 5.6hrs | 5.6hrs |
| Discharging Time | 52h (Energy Saving Mode) | 52h (Energy Saving Mode) | 52h (Energy Saving Mode) | 52h (Energy Saving Mode) |
| Control Mode | Light Control / PIR Control | Light Control / PIR Control | Light Control / PIR Control | Light Control / PIR Control |
| IP Rating | IP65 Waterproof | IP65 Waterproof | IP65 Waterproof | IP65 Waterproof |
| Function | Light Control + Radar Sensor | Light Control + Radar Sensor | Light Control + Radar Sensor | Light Control + Radar Sensor |

Longer Sensing Distance and Wider Sensor Angle



- Fully charge time: 6-8 hrs
- Luminous Flux:5500 lm
- Dim mode working time: >50hours
- Bright mode working time: >20hours

Product Cases



ALL IN ONE SOLAR STREET LIGHT



INTEGRATED LIGHTS ADVANTGE

- 1.High brightness lamp ,durable, colorless decline, good colorrendering, uniform lighting.
- 2.Good lighting effect,multi-lamp beads effectively improve the lighting brightness by50%.
- 3.Intelligent light control and time control motion sensor,can automatically light up in rainy days.
- 4.Original brand new quality battery, standard capacity, longservice life, more durable lighting.

Product Size



Product Parameter

| PRODUCT MODEL | Die casting20W | Die casting30W | Die casting40W |
|------------------|----------------|----------------|----------------|
| Light size | 697*361*96mm | 846*361*96mm | 1096*361*96mm |
| Unit | Set | Set | Set |
| Solar panel size | 671*336mm | 820*336mm | 1072*336mm |
| Power | 35W | 45W | 60W |
| Module number | 2 | 3 | 4 |
| Battery | 20Ah | 24Ah | 30Ah |
| Packing size | 750*420*140mm | 900*420*140mm | 1150*420*140mm |



ALL IN ONE SOLAR STREET LIGHT



INTEGRATED LIGHTS ADVANTGE

- 1.Elegant Integrated Design,Aluminum alloy case.
2. 3030/5050 High Efficiency USA LED Chip, 170LM/W,Aluminium alloy + PMMA.
- 3.140 degree adjustable bracket, suitable for various roads.
4. The maximum wattage can reach 150 watts, specially designed for engineering.
5. Night sensor + Microwave motion sensor+Remote Control.



Product Parameter

| PRODUCT MODEL | BSW.AD(30W) | BSW.AD(60W) | BSW.AD(80W) | BSW.AD(100W) |
|----------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
| Solar Panel | 18V 60W monocrystal | 18V 90W monocrystal | 33V 90W monocrystal | 18V 100W monocrystal |
| Battery | 12V 30Ah | 12V 40Ah | 24V 24AH | 24V 30AH |
| Hours of use | Full 15hours,half Power 30hours | Full 15hours,half Power 30hours | Full 15hours,half Power 30hours | Full 12 hours,half Power 24hours |
| Lamp power | 20 Watts (20 Chips) | 30 Watts (30 Chips) | 50 Watts (42 Chips) | 100 Watts (2*42 Chips) |
| Install height | 7-8M | 7-9M | 7-9M | 9-10M |
| IP code | IP65 | IP65 | IP65 | IP65 |
| Product size | 1080*330*42mm | 1080*330*42mm | 1080*330*42mm | 1520*450*145mm |
| Package size | 1210*410*210mm | 1210*410*210mm | 1210*410*210mm | 1450*550*215mmmm |
| Material | Aluminum | Aluminum | Aluminum | Aluminum |
| Warranty | 3 Years | 3 Years | 3 Years | 3 Years |

Product Size



Other Options



Product Cases



ALL IN TWO STREET LIGHT

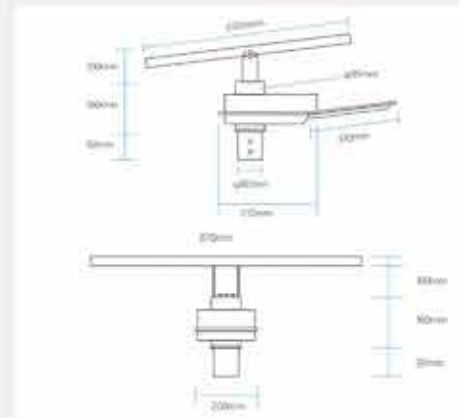


Type: I

Type: II

Features:

- Simple and stylish appearance, 0 electricity, free wiring.
- Safe low voltage, no touch electricity, international safety standard.
- Solar panel, battery, LED, controller are integrated, easy installation.
- High efficiency multi-core LEDs, >200lm/W.
- Smart charge & dis-charge management, ensure the light working time longer.
- Modular design, easy maintenance and replacement.

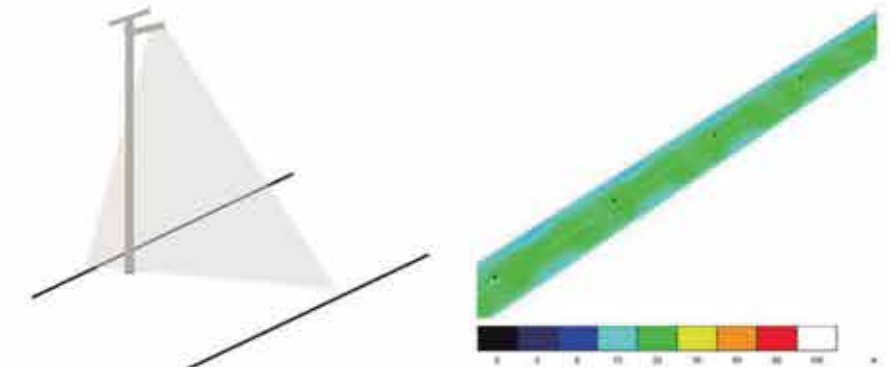
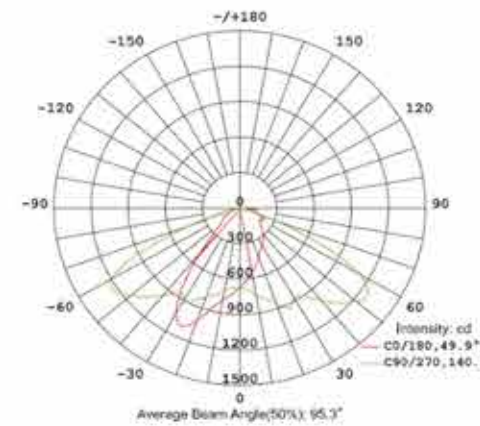


Specifications



| PRODUCT MODEL | AL-BF-40 | AL-BF-60 |
|---------------------|----------------------------------|----------------------------------|
| Lamp Power | 80W | 100W |
| Lithium Battery | 30Ah/12.8V | 36Ah/12.8V |
| LED Quantity | 90pcs | 90pcs |
| Luminous Flux | 6400lm | 8000lm |
| CCT | 3000-6500K | 3000K -6500K |
| CRI | >70Ra | >70Ra |
| Charging Time | 4-6 hours | 4-6 hours |
| Working Time | 2-4 rainy days | 2-4 rainy days |
| Working Temperature | -20°C-60°C | -20°C-60°C |
| Lifespan | Aluminum alloy,die-cast aluminum | Aluminum alloy,die-cast aluminum |
| Material | >50000H | IP65 |
| IP Rating | IP65 | 60-70mm |
| Case Diameter | 60-70mm | Φ76mm |
| Installation height | 5-7m | 5-7m |
| Mounting Distance | 20-30m | 20-30m |

Lighting Distribution



Installation



Installation Steps:

1. Fix the bracket on the solar panel.
2. Fix the rotating "U" adapter on the bracket.
3. Fix the solar panel on the lamp body.
4. Fix the whole lamp on the lamp pole.

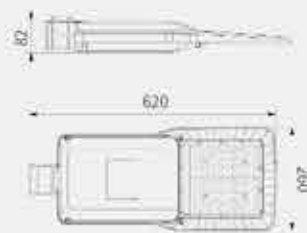




Sundancer BSW-ZR.TYN-01

ZHUI RI BSW

Simple design, modern and fashionable; international ADC12 die-cast aluminum, good heat dissipation performance; hollow heat sink. Enhance air convection, high heat dissipation efficiency; shell size is big, reserve ample space for battery storage; high-quality solar cells, different configurations, flexible design to meet different lighting needs; multi-angle adjustable solar panels to ensure sufficient power; high-capacity and long life-span lithium battery to ensure the life of the product; high-efficiency module lens, large-angle and long-distance light distribution; waterproof structure, safe and reliable;



BSW-ZR.TYN-01

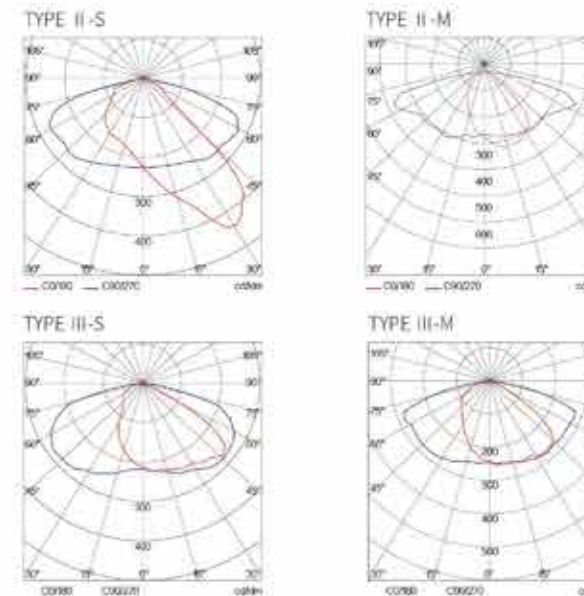


Product technical parameter table



| Product number | BSW-ZR.TYN-01 |
|------------------------------|---------------|
| rated power | 80-100W |
| System voltage | DC3V-30V |
| solar panel | 50W |
| lithium battery | 25AH |
| Color temperature | 3000K-6500K |
| Color rendering index | ≥Ra70 |
| Working temperature | -10°C-70°C |
| Working environment humidity | 10-90% |
| LED lamp bead effect | 180lm/W |
| LED life | >50000H |
| Protection level | IP66 |
| installation pipe diameter | φ60mm |
| installation height | 8-10m |
| Lamp size | 620×260×82mm |

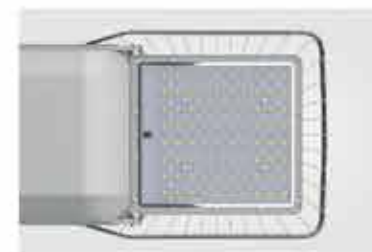
Light distribution curve



TYPE II: This light type is mainly used for wider pedestrians Roads, entrances to driving lanes, bicycle lanes or other long and narrow lighting applications. The main body of the lamp is located on the side of the road instead of central. Illumination width is generally 1-1.75 times of lamp height.

TYPE III: Mainly used for highways, driving lanes, parking lots and general plaza lighting. The main position of the lamp is on the side of the road, the lighting width is between 1.75- 2.75 times of the lamp height.

Product detail presentation



Efficient light source
High-intensity imported PC optical lens, through the special structure of the lens, the light emitted from the light source is formed into a fan wing shape to achieve the best uniform illuminance and improve the lighting effect.



Smart battery compartment
Intelligent power adjustment, automatic weather judgment, reasonable planning of discharge rules, battery cycle life is more than 1500 times, safe to use, no fire, no explosion, high-temperature resistance, large capacity, environmental protection, lead-free, non-polluting.

SPLIT SOLAR STREET LIGHT

Patent: 202030562267.6



Upright BSW-LSZ.TYNB

LI SHI ZHE BSW

Even in harsh environments such as deserts, farms and coastlines, reliable quality can bring better sustainability.

By innovative manufacturing technology, module conversion efficiency is high.

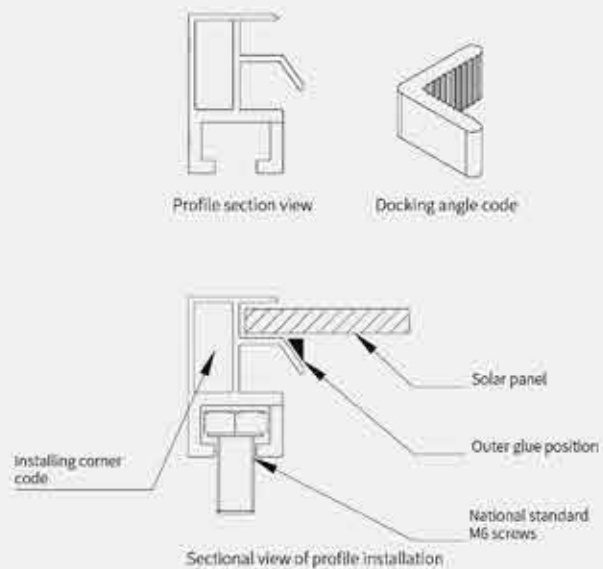
Certified to withstand wind and snow loads;

Advanced glass and solar cell surface textures allow excellent performance in low light environments;

We have 100% EL test before and after film, and finished product, in order to provide higher quality assurance;

Impedance matching technology eliminates mismatch loss and increases the power consumption of each module.

- Withstand harsh environments
- Efficient
- Resilience to severe weather
- Low light performance
- High quality guarantee
- Maximize energy harvest



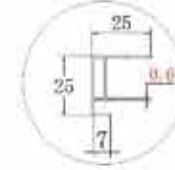
Product technical parameter table

| | |
|-----------------------|--|
| Maximum surface load | 2400Pa |
| Hail impact test | 227g ball falling from a height of 1 meter/227g |
| Glass type | High light transmittance, low iron content, 3.2mm tempered glass |
| Frame | Aluminum alloy |
| Insulation voltage | 3600VDCmax |
| Operating temperature | -40°C+85°C |
| Storage temperature | -40°C+85°C |
| Cable length | 1000mm |

Traditional solar panel

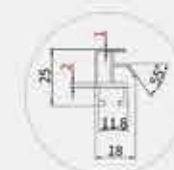
① Comparison of solar panel thickness

In order to pursue cost, individual manufacturers on the market have reduced the profile thickness from 1mm to 0.6mm and even 0.5mm in the market, which greatly affects the service life of the panel.



Bosiwei solar panel

35% Super strong wall thickness: 35% thicker than peers. Safe and firm: the force-bearing wall thickness is up to 2mm to ensure the balanced force of the mounting screws.



② Corner code stability comparison

The gap between the corner code and the face frame fittings is too large, which is easy to be in the wrong position and the structure is unstable.



Butt angle code: length and height are higher than industry standards, making it firm and reliable.



③ Screw vacancy installation comparison

The size and hole position standards of various manufacturers are not uniform, which creates unnecessary trouble for the bracket processing, and often requires additional drilling, which increases labor costs.



Sliding groove design: easy installation of screws, no need for additional drilling, hole spacing can be adjusted at any time, beautiful appearance.



Increase the force area of the glue, and have a beautiful appearance of the triangular design.



SPLIT SOLAR STREET LIGHT

Monocrystalline or polycrystalline solar panels are optional

Monocrystalline solar panels

Monocrystalline solar panels Monocrystalline silicon solar cells have a photoelectric conversion efficiency of 15%-4%, which is the highest photoelectric conversion efficiency among all types of solar cells currently. However, the production cost is so large that it cannot be used in a large amount. Because monocrystalline silicon is generally encapsulated with tempered glass and waterproof resin, it is durable and can usually reach 15-25 years.



| Power | Optimal voltage | Optimal current | Open circuit voltage | Short circuit current | W(mm) | L(mm) | H(mm) | Weight(kg) |
|-------|-----------------|-----------------|----------------------|-----------------------|-------|-------|-------|------------|
| 55 | 18 | 3.06 | 216 | 3.47 | 670 | 545 | 30 | 4 |
| 60 | 20 | 3.00 | 240 | 3.41 | 670 | 560 | 30 | 4.3 |
| 70 | 18 | 3.89 | 216 | 4.41 | 670 | 650 | 30 | 4.8 |
| 75 | 18 | 4.17 | 216 | 4.73 | 670 | 720 | 30 | 5.3 |
| 80 | 18 | 4.44 | 216 | 5.04 | 670 | 820 | 30 | 5.7 |
| 85 | 18 | 4.72 | 216 | 5.36 | 670 | 890 | 30 | 6 |
| 90 | 18 | 5.00 | 216 | 5.68 | 670 | 950 | 30 | 6.6 |
| 100 | 18 | 5.56 | 216 | 6.31 | 670 | 1020 | 30 | 7 |
| 110 | 18 | 6.11 | 216 | 6.94 | 670 | 1070 | 35 | 7.9 |
| 120 | 18 | 6.67 | 216 | 7.57 | 670 | 1130 | 35 | 8.3 |
| 130 | 20 | 6.50 | 240 | 7.38 | 670 | 1240 | 35 | 9.1 |
| 160 | 18 | 8.89 | 216 | 10.09 | 670 | 1470 | 35 | 10.8 |
| 175 | 20 | 8.75 | 240 | 9.93 | 670 | 1630 | 35 | 12.0 |
| 185 | 36 | 5.14 | 432 | 5.83 | 990 | 1170 | 35 | 12.7 |
| 210 | 36 | 5.83 | 432 | 6.62 | 990 | 1320 | 35 | 14.4 |
| 235 | 36 | 6.53 | 432 | 7.41 | 990 | 1490 | 35 | 16.2 |
| 260 | 30 | 8.67 | 360 | 9.84 | 990 | 1630 | 35 | 17.8 |
| 310 | 36 | 8.61 | 432 | 9.77 | 990 | 1900 | 40 | 21.3 |

Polycrystalline solar panels

The production process of polycrystalline silicon solar cells is similar to that of monocrystalline silicon solar cells, but the photoelectric conversion efficiency of polycrystalline silicon solar cells has to be reduced a lot, and its photoelectric conversion efficiency is about 12%-14.8%.

In terms of production cost, it is cheaper than monocrystalline silicon solar cells, the material is simple to manufacture, power consumption is saved, and the total production cost is lower.



| Power | Optimal voltage | Optimal current | Open circuit voltage | Short circuit current | W(mm) | L(mm) | H(mm) | Weight(kg) |
|-------|-----------------|-----------------|----------------------|-----------------------|-------|-------|-------|------------|
| 55 | 18 | 3.06 | 216 | 3.47 | 670 | 545 | 30 | 4 |
| 60 | 20 | 3.00 | 240 | 3.41 | 670 | 560 | 30 | 4.3 |
| 70 | 18 | 3.89 | 216 | 4.41 | 670 | 650 | 30 | 4.8 |
| 75 | 18 | 4.17 | 216 | 4.73 | 670 | 720 | 30 | 5.3 |
| 80 | 18 | 4.44 | 216 | 5.04 | 670 | 820 | 30 | 5.7 |
| 85 | 18 | 4.72 | 216 | 5.36 | 670 | 890 | 30 | 6 |
| 90 | 18 | 5.00 | 216 | 5.68 | 670 | 950 | 30 | 6.6 |
| 100 | 18 | 5.56 | 216 | 6.31 | 670 | 1050 | 30 | 7 |
| 105 | 18 | 5.83 | 216 | 6.62 | 670 | 1070 | 35 | 7.9 |
| 110 | 18 | 6.11 | 216 | 6.94 | 670 | 1130 | 35 | 8.3 |
| 120 | 20 | 6.00 | 432 | 6.81 | 670 | 1240 | 35 | 9.1 |
| 145 | 18 | 8.08 | 216 | 9.14 | 670 | 1470 | 35 | 10.8 |
| 160 | 20 | 8.00 | 432 | 9.06 | 670 | 1630 | 35 | 12.0 |
| 170 | 36 | 4.72 | 432 | 5.36 | 990 | 1170 | 35 | 12.7 |
| 185 | 36 | 5.42 | 432 | 6.15 | 990 | 1320 | 35 | 14.4 |
| 220 | 36 | 6.11 | 432 | 6.94 | 990 | 1490 | 35 | 16.2 |
| 250 | 30 | 8.33 | 432 | 9.46 | 990 | 1630 | 35 | 17.8 |
| 280 | 36 | 8.08 | 432 | 9.14 | 990 | 1900 | 40 | 21.3 |

Single lamp controller optional

| Product picture | | | | | |
|------------------|---------------|---------------|-----------------------|--|--------------|
| Model | FONDA-LCUS1GS | FONDA-LCUS1NS | FONDA-LCUS1ZS/LCUS1MS | RTU500Z | RTU500M |
| Voltage | DC4.2V | DC4.2V | DC5V | AC96-264V | AC96-264V |
| Static power | <0.2W | <0.2W | / | / | / |
| Maximum current | 3A | 1A | 150mA | 15A is used for 2G mode, 15A is used for 4G mode | / |
| Temperature | -40~+85°C | -40~+85°C | -40~+85°C | -30~+75°C | -30~+75°C |
| Protection level | IP67 | IP67 | IP67 | IP67 | IP67 |
| Size | 125*69*45mm | 125*69*45mm | 65*60*32mm | 230*190*75mm | 230*190*75mm |
| Weight | 0.58kg | 0.58kg | 0.5kg | 0.4kg | 0.4kg |

Controller options

| Series | DM series (MPPT charge+LED drive) | | | | MES series (MPPT charge+LED drive+Human body induction) | | | |
|----------------------|---|----------------------|----------------------|--|---|--|----------------------|----------------------|
| | DM60 | DM120 | DM160 | DM200 | MES80 | MES120 | MES160 | MES200 |
| System voltage | 12V | 12V/24V | 12V/24V | 12V/24V | 12V | 12V/24V | 12V/24V | 12V/24V |
| Quiescent Current | 18mA | 18mA/12V 13mA/24V | 18mA/12V 13mA/24V | 25mA/12V 15mA/24V | 20mA | 18mA/12V 13mA/24V | 18mA/12V 13mA/24V | 25mA/12V 15mA/24V |
| Sleep current | 1mA | 1mA | 1mA | 1mA | 1mA | 1mA | 1mA | 1mA |
| Recharging current | 10A | 10A | 15A | 20A | 10A | 10A | 15A | 20A |
| Recharging voltage | 50V | 60V | 60V | 60V | 50V | 60V | 60V | 60V |
| Recharging power | 130W/12V | 130W/12V 260W/24V | 200W/12V 400W/24V | 260W/12V 520W/24V | 130W | 130W/12V 260W/24V | 200W/12V 400W/24V | 260W/12V 520W/24V |
| Recharging mode | MPPT | MPPT | MPPT | MPPT | MPPT | MPPT | MPPT | MPPT |
| Load power | 60W/12V | 60W/12V 120W/24V | 80W/12V 160W/24V | 100W/12V 200W/24V | 60W | 60W/12V 120W/24V | 80W/12V 160W/24V | 100W/12V 200W/24V |
| Load power | 15V~50V | 15V~60V | 15V~60V | 15V~75V | 15V~50V | 15V~60V | 15V~60V | 15V~75V |
| Load period | 9 hours + morning light | | | | 9 hours + morning light | | | |
| Remote control model | SR-CU-ALL5 | | | | SR-CU-ALL5 | | | |
| Main feature | Support wireless Internet of system, support LoraWAN, GPRS, NB-IoT, 433M and other modules. | | | PowerCris label MPPT tracking technology, 30-day historical data storage | MPPT high-efficiency charging, external human body sensor module | Support wireless Internet of system, external human body sensor module | | |
| Remarks | MPPT boosting series | | | | MPPT with human body induction probe series, the probe can choose infrared or microwave | | | |

| Series | SN series 12V PWM charging + LED driver | | | DH series PWM charging+LED driver | | | SES series PWM charging+LED driver+ human body induction | | |
|----------------------|---|--|--|-----------------------------------|----------------------|---|---|----------------------|--|
| | SN40 | SN80 | DH60 | DH100 | DH120 | SES40 | SES60 | SES120 | |
| System voltage | 12V | 12V | 12V/24V | 12V/24V | 12V/24V | 12V | 12V/24V | 12V/24V | |
| Quiescent Current | 10mA | 10mA | 11mA/12V 21mA/24V | 11mA/12V 21mA/24V | 11mA/12V 21mA/24V | 10mA | 11mA/12V 21mA/24V | 11mA/12V 21mA/24V | |
| Sleep current | 0.8mA | 0.8mA | 1mA/12V 5mA/24V | 1mA/12V 5mA/24V | 1mA/12V 5mA/24V | 0.8mA | 1mA/12V 5mA/24V | 1mA/12V 5mA/24V | |
| Recharging current | 10A | 10A | 10A | 15A | 20A | 10A | 10A | 15A | |
| Recharging voltage | 25V | 25V | 25V/12V 55V/24V | 25V/12V 55V/24V | 25V/12V 55V/24V | 25V | 25V/12V 55V/24V | 25V/12V 55V/24V | |
| Recharging power | 140W | 140W | 150W/12V 300W/24V | 220W/12V 450W/24V | 300W/12V 600W/24V | 150W | 150W/12V 300W/24V | 225W/12V 450W/24V | |
| Recharging mode | PWM | PWM | PWM | PWM | PWM | PWM | PWM | PWM | |
| Load power | 40W | 40W | 40W/12V 80W/24V | 50W/12V 100W/24V | 60W/12V 120W/24V | 40W | 40W/12V 80W/24V | 60W/12V 120W/24V | |
| Load power | 15V~45V | | 15V~60V | | | 15V~45V | | | |
| Load period | 0 hours + morning light | | | 0 hours + morning light | | | 0 hours + morning light | | |
| Remote control model | SR-CU-ALL5 | | | SR-CU-ALL5 | | | SR-CU-ALL5 | | |
| Main feature | UltraGreen energy-saving technology, BMS overcharge protection detection technology | Controller + protection board integrated design, single-cell voltage remote control readable | UltraGreen energy-saving technology, sleep current 1mA | | | Integrated design of probe controller, optional infrared or microwave human body sensor | Optional infrared or microwave human body sensing | | |
| Remarks | Common MPPT boosting series | | | | | | MPPT with human body induction probe series, the probe can choose infrared or microwave | | |

SPLIT SOLAR STREET LIGHT

Gel battery/lithium iron phosphate battery optional



Gel battery

Gel batteries Gel batteries with stable quality are known for their high reliability. Gel batteries not only require no maintenance, but also can maintain a good charge and resist overcharge and overdischarge, vibration and shock. The gel battery is equipped with a low-pressure exhaust system to prevent excessive accumulation of gas in the battery. Coupled with extremely high recombination efficiency, gel batteries have become the safest sealed lead-acid batteries.

| Model | Voltage(V) | Capacity(AH) | L(mm) | W(mm) | H(mm) | Total height (mm) | Weight (kg) | Warranty period (years) |
|----------|------------|--------------|-------|-------|-------|-------------------|-------------|-------------------------|
| 12V24AH | 12 | 24 | 165 | 126 | 175 | 181 | 8.2 | 5 |
| 12V30AH | 12 | 30 | 196 | 165 | 174 | 181 | 9.9 | 5 |
| 12V40AH | 12 | 40 | 196 | 165 | 174 | 181 | 11.7 | 5 |
| 12V50AH | 12 | 50 | 229 | 138 | 210 | 230 | 15.1 | 8 |
| 12V60AH | 12 | 60 | 350 | 166 | 174 | 174 | 17.8 | 8 |
| 12V65AH | 12 | 65 | 350 | 166 | 174 | 174 | 19.3 | 8 |
| 12V70AH | 12 | 70 | 350 | 166 | 174 | 174 | 19.5 | 8 |
| 12V80AH | 12 | 80 | 260 | 168 | 213 | 235 | 21.9 | 8 |
| 12V90AH | 12 | 90 | 260 | 168 | 213 | 235 | 23.1 | 8 |
| 12V100AH | 12 | 100 | 329 | 172 | 214 | 236 | 27.5 | 8 |
| 12V110AH | 12 | 110 | 406 | 174 | 208 | 232 | 30.4 | 8 |
| 12V120AH | 12 | 120 | 406 | 174 | 208 | 232 | 32.9 | 8 |
| 12V150AH | 12 | 150 | 483 | 170 | 240 | 240 | 49.2 | 8 |
| 12V180AH | 12 | 180 | 522 | 240 | 219 | 244 | 52.6 | 8 |
| 12V200AH | 12 | 200 | 522 | 240 | 219 | 244 | 55.1 | 8 |
| 12V220AH | 12 | 220 | 522 | 240 | 219 | 244 | 57.6 | 8 |
| 12V250AH | 12 | 250 | 520 | 269 | 220 | 245 | 67.3 | 8 |



Lithium iron phosphate battery

The safe and reliable lithium iron phosphate battery is famous for its small size and high cycle characteristics. The lithium iron phosphate battery has a long service life, with a deep cycle of more than 2000 times, and is safe to use. It has the advantages of no fire, no explosion, high temperature resistance, and large capacity. The lithium iron phosphate battery is equipped with a built-in protection board, and the battery is overcharged, overdischarged, short-circuit, over-voltage, and over-current will activate automatic power-off protection to protect the safety of the battery pack and the service life. The volume of the lithium iron phosphate battery of the same capacity is about 2/3 of the volume of the gel battery.

| Model | Voltage(V) | Capacity(AH) | L(mm) | W(mm) | H(mm) | Weight(kg) |
|-----------|------------|--------------|-------|-------|-------|------------|
| 7AH-6V | 6 | 7 | 151 | 34 | 98 | 1.1 |
| 7AH-12V | 12 | 7 | 151 | 66 | 100 | 2.2 |
| 6-CNJ-24 | 12 | 24 | 165 | 125 | 175 | 7.1 |
| 6-CNJ-38 | 12 | 38 | 196 | 165 | 175 | 12.5 |
| 6-CNJ-50 | 12 | 50 | 327 | 170 | 175 | 17.0 |
| 6-CNJ-55 | 12 | 55 | 327 | 170 | 175 | 18.5 |
| 6-CNJ-65 | 12 | 65 | 327 | 170 | 175 | 20.0 |
| 6-CNJ-70 | 12 | 70 | 329 | 172 | 215 | 21.0 |
| 6-CNJ-75 | 12 | 75 | 329 | 172 | 215 | 24.0 |
| 6-CNJ-80 | 12 | 80 | 329 | 172 | 215 | 25.0 |
| 6-CNJ-90 | 12 | 90 | 329 | 172 | 215 | 27.5 |
| 6-CNJ-100 | 12 | 100 | 406 | 172 | 210 | 30.0 |
| 6-CNJ-120 | 12 | 120 | 406 | 172 | 210 | 32.0 |
| 6-CNJ-150 | 12 | 150 | 482 | 172 | 242 | 41.0 |
| 6-CNJ-180 | 12 | 180 | 523 | 240 | 225 | 46.0 |
| 6-CNJ-200 | 12 | 200 | 523 | 240 | 225 | 56.0 |
| 6-CNJ-250 | 12 | 250 | 523 | 268 | 220 | 66.0 |

Battery installation method is optional

Gel battery installation method



Lithium iron phosphate battery installation method



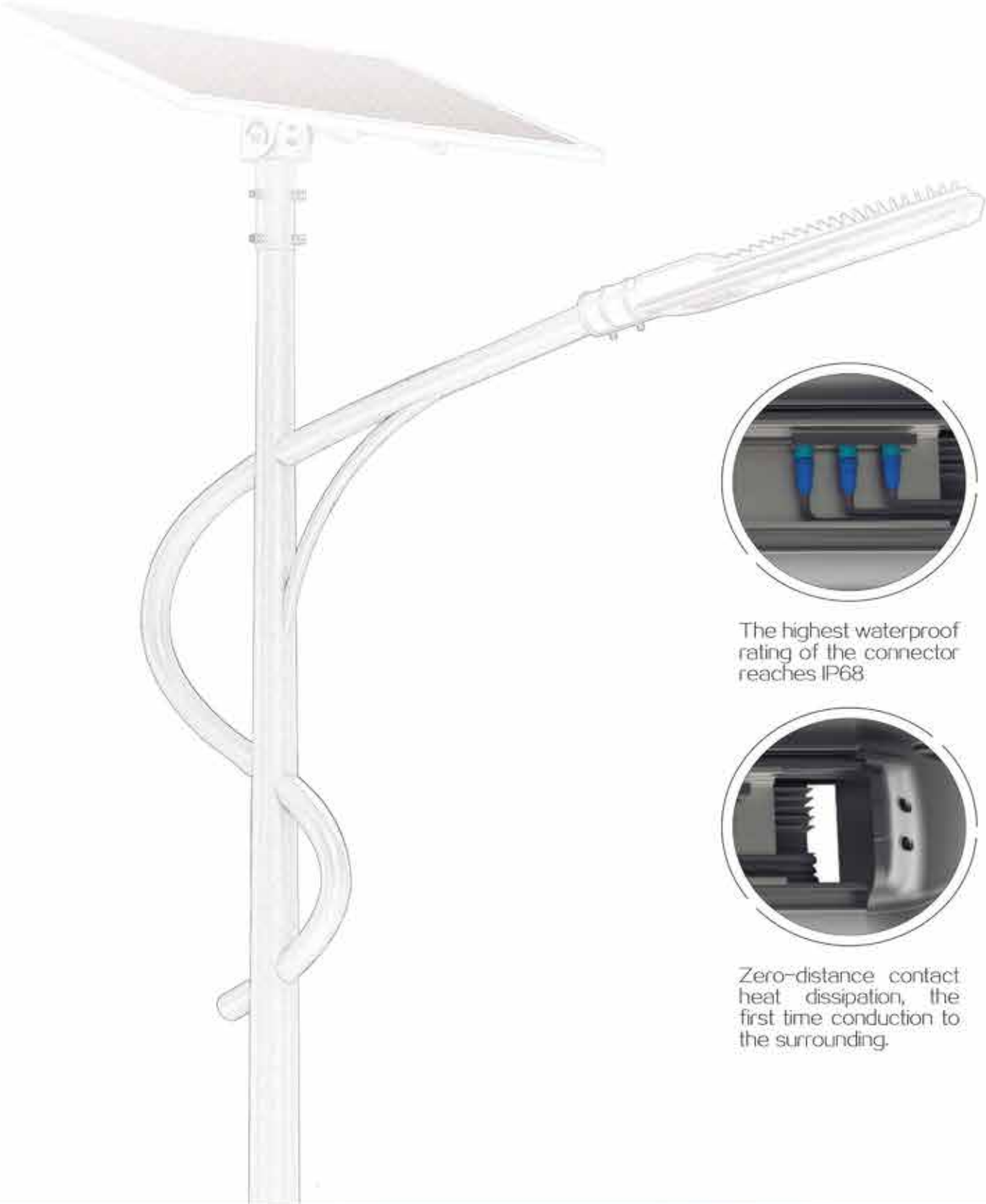


Qiming star,
The embodiment of love and beauty,
dazzling and shining,
Standing in the darkness, holding up a curtain of light.

Venus
solar split lamp



Lamp Display >>



The highest waterproof rating of the connector reaches IP68.

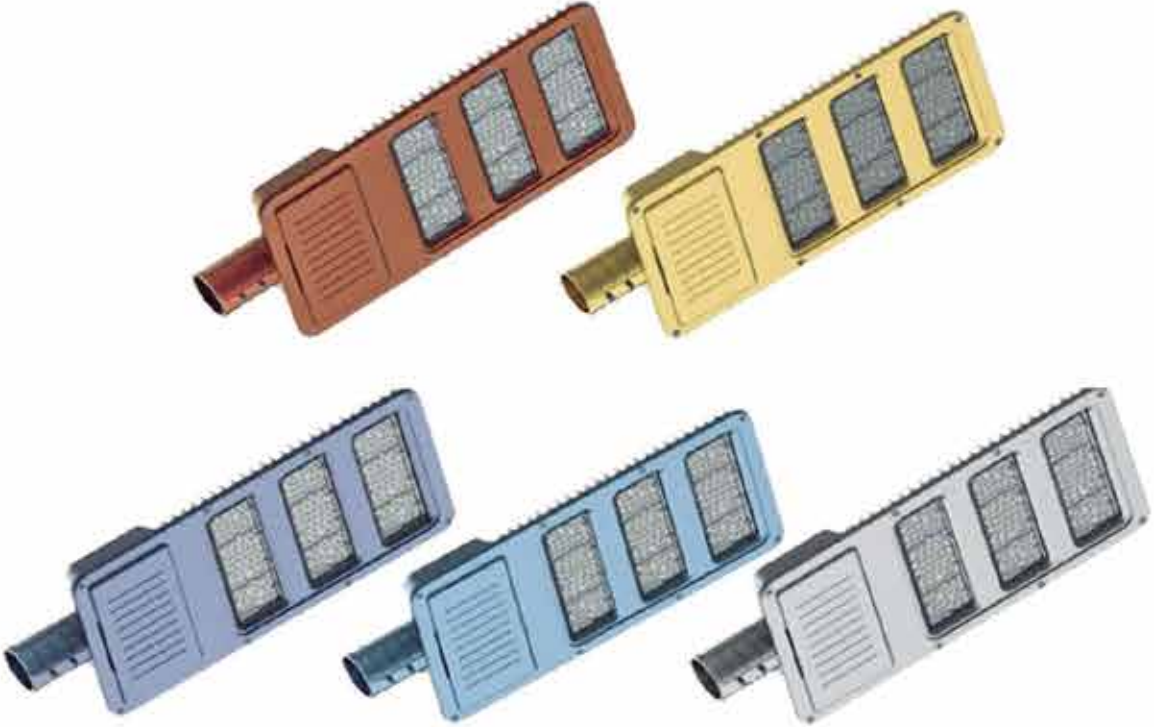


Zero-distance contact heat dissipation, the first time conduction to the surrounding.

Luminaire View >>



Optional Colors >>



LED STREET LIGHT



Venus

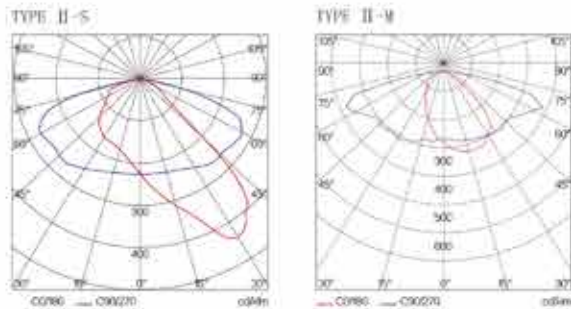


Streamlined shape design, natural dust removal, no dust accumulation, keeping the lamps clean; electrostatic spraying on the surface, strong anti-corrosion ability, making the lamps stronger and durable;
 Clip-on design, the lamp cover can be opened without tools, making lamp installation and maintenance faster;
 The unique power-off protection, the power is cut off immediately after opening the shell, which provides a safety guarantee for the maintenance of construction personnel;
 Horizontal ventilation channel design ensures uniform heat dissipation of LEDs and improves the life of lamps;

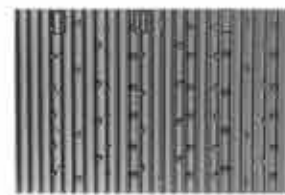
Optional colors



Light distribution curve



TYPE II: This type of light is mainly used in relatively wide sidewalks, entrances of traffic lanes, bicycle lanes or other long and narrow lighting applications. The main body of the lamp head is located on one side of the road, not in the center. The lighting width is generally between 1 and 1.75 times the height of the lamp.



Heat sink
 Efficient thermal conductivity and large heat exchange area, which is conducive to speeding up heat exchange and taking away more heat, so as to achieve the ideal heat dissipation effect;



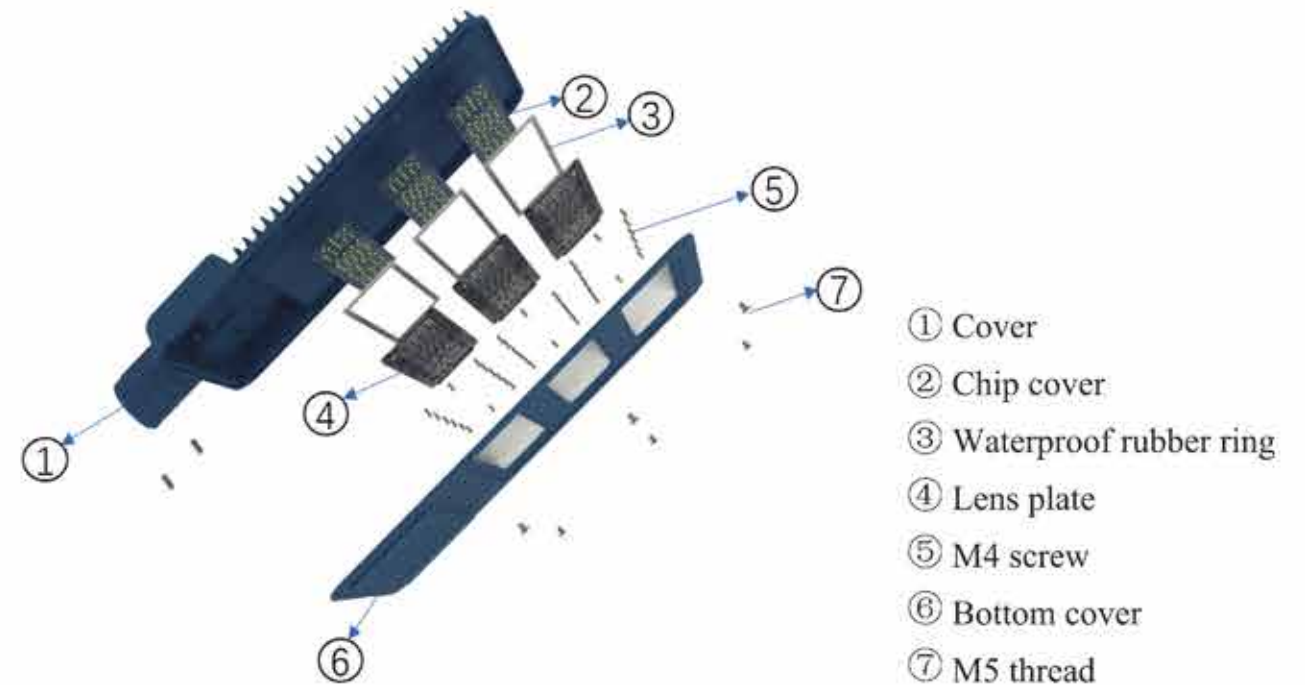
Efficient light source
 High-strength imported PC optical lens, through the special structure of the lens, the light emitted by the light source can form a wide-angle shape to achieve the best uniform illumination and improve the lighting effect.

Product Technical Parameter Table

| PRODUCT MODEL | BSW-PDZTYN-01 |
|-----------------------|---------------|
| Rated power | 60W~180W |
| LED type | LUMILEDS |
| Lighting mode | CONTROL |
| light effect | 130lm/W |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K -6500K |
| Color rendering index | >Ra70 |
| Power Factor | >0.95 |
| Working temperature | -35~70C |
| Environment humidity | 10~90% |
| LED life | >50000H |
| Protection class | IP66 |
| Install pipe diameter | Φ60mm |
| Installation height | 6~8m |
| Lamp size | 500X200X66mm |



Product Explosion Diagram



Engineering Cases



WIND SOLAR HYBRID STREET LIGHT



Airplane BSW-FJ.TYN-FG

FEI JI BSW

The main pole is made of high-quality steel (Q235) rolled by a large bending machine to form a tapered pole at one time. The thickness of the pole is 3.5mm. The weld is flat, without obvious undercuts, slag inclusions, pores and other defects. The surface is sprayed with plastic after hot-dip galvanizing. Treatment, the thickness of the zinc layer is not less than 86um, and the plastic spraying requires a bright color and a smooth surface.

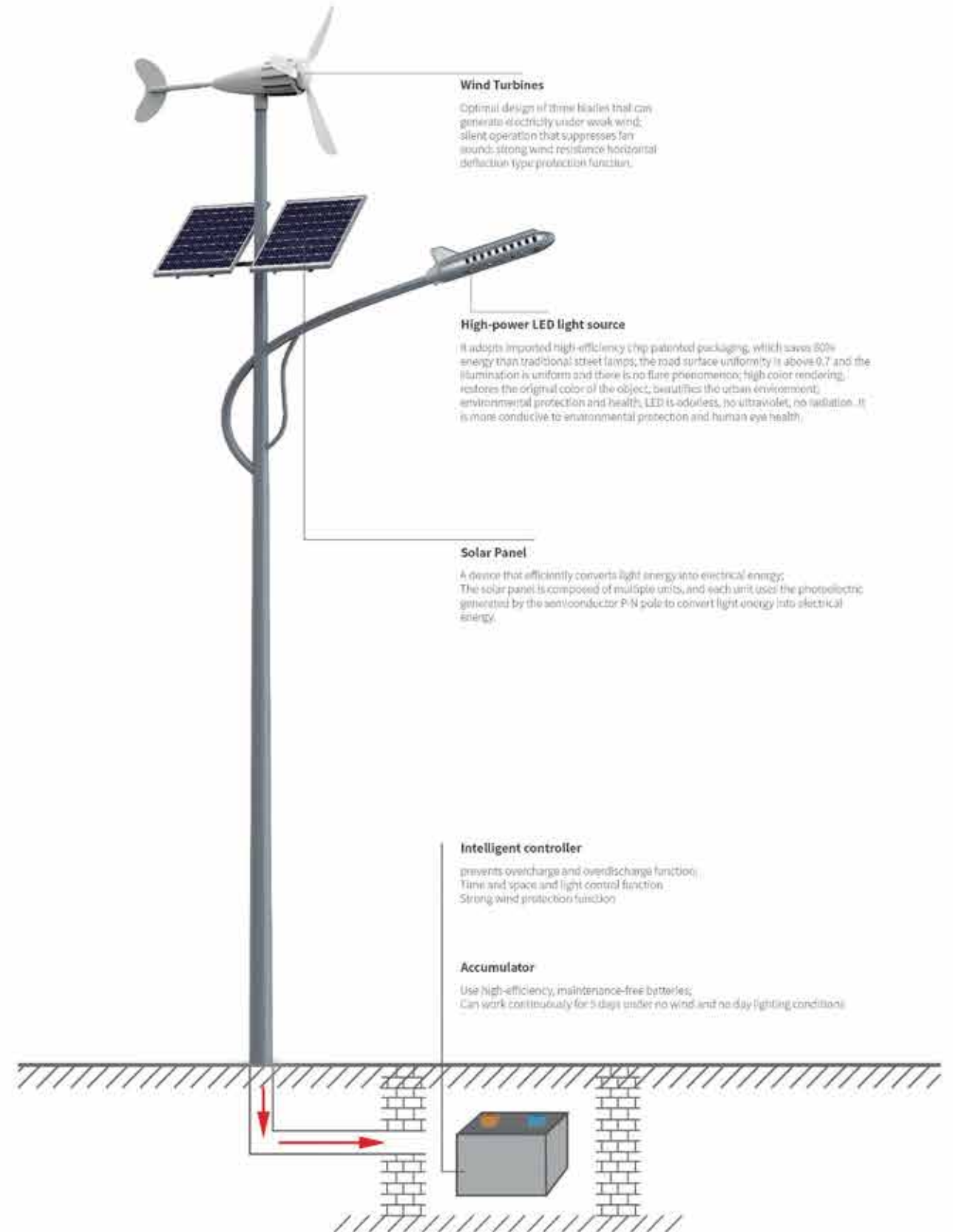
The lamp is made of high-quality aluminum die-casting, high-purity aluminum, tempered glass lampshade, protection grade IP65; Use special tools to open the door of the electrical appliance compartment.



Wind power generation style one Wind power generation style two



Product features and advantages



WIND SOLAR HYBRID STREET LIGHT

NUVOLT



LED STREET LIGHT



flexibly provide lighting solutions according to needs. Its shell is formed by integrated high-quality ADC12 aluminum die-casting, and its excellent heat dissipation performance makes it have a longer life. IK08 tempered glass, IP66 waterproof grade increases its reliability. At the same time, it can be equipped with smart modules such as ZHAGA sockets to meet the needs of different projects, and can provide smart solutions such as 0-10V dimming and DALI. It can be widely used in roads, parking lots, squares and other places.

Features

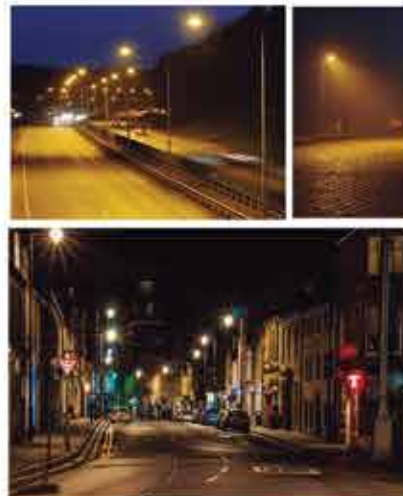
- Power: 40-60W
- CCT:2000K-5700K
- CLASS II

Main parameters

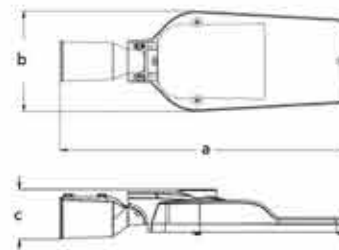
- High system efficiency up to 130Lm/W
- IP66, IK08
- CRI 70
- Lifetime 50,000 hours, warranty 5 years

Application

Various roads, parking lots, parks, squares... etc.



Dimensions



| PRODUCT MODEL | SG1-40W/60W |
|---------------|-------------|
| a | 520mm |
| b | 180mm |
| c | 90mm |
| Pole diameter | 55-60mm |
| Pole diameter | 48-76mm |



SG1-40W

SG1-60W

Accessories



Wiring Connector(IP66)



Input cable
0.3/1/5m

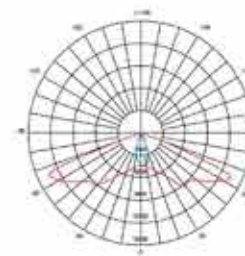


10/20KV SPD

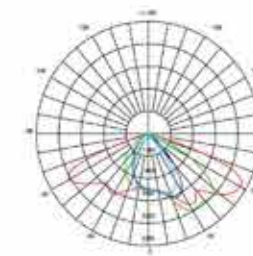


ZHAGA

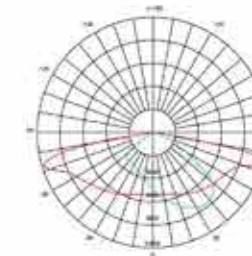
Light Distribution Curve



Type I



Type II



Type III

*Other optical type is available according to special request.



Specifications

| | |
|--------------------------------|-----------------------------|
| Input Voltage: | 100 ~ 240Vac |
| Input Frequency: | 50/60Hz |
| Power Factor (PF): | 0.95 |
| Surge Protection Level: | 10kV line-earth |
| Operating Environment: | -40°C ~ +50°C, 10% ~ 90% RH |
| Color Temperature (CCT): | 3000K, 4000K, 5000K, 5700K |
| Color Rendering Index (CRI): | ≥70 |
| Housing: | Die-cast Aluminum |
| IP Rating of LED Light Engine: | IP68 |
| IP Rating of Luminaire: | IP67 |
| Warranty: | 5 Years Limited |

- Whole structure heating dissipation design with best thermal conduction and radiation.
- IP67 rated luminaire.
- Distribution**
- Ergonomic and dedicated lighting distributions are available for various roadway applications.

Finishing colors

- Gray
- Black
- White
- Blue



Applications

- Roadway lighting
(Urban roads, residential areas, overpasses...)
- Public areas lighting
(Theme parks, squares, parking lots...)

Dimensions

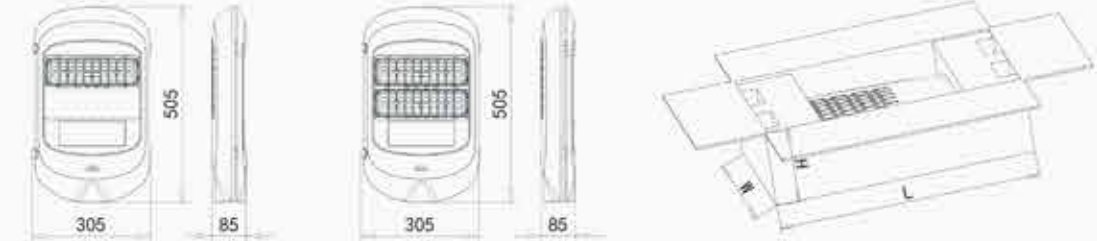
| Model | L (mm) | W (mm) | H (mm) | ØD (mm) | Max. Installation Depth (mm) | N.W. (kg) |
|-------|--------|--------|--------|---------|------------------------------|-----------|
| T1B-1 | 505 | 305 | 85 | Ø47.63 | 150 | 4 |
| T1B-2 | 505 | 305 | 85 | Ø47.63 | 170 | 4.9 |

* Values shown are subject to ±5% tolerance.

Package Information

| Model | L (mm) | W (mm) | H (mm) | ØD (mm) | L.W. (kg) |
|-------|--------|--------|--------|---------|-----------|
| T1B-1 | 505 | 300 | 175 | Ø57.63 | 5.1 |
| T1B-2 | 505 | 300 | 175 | Ø57.63 | 6 |

* Values shown are subject to ±5% tolerance.



Ordering Information

Example: T1B-2-100-M16B-VBA-18-2105-7040-CM-MO-GY

| Luminaire Type | Module Qty | System Power | Module Type | Module Interface Type | LED Package | Cable Standard | LED Qty Per module |
|----------------|-------------|--------------|-------------|-----------------------|-------------|----------------|--------------------|
| T Street light | 1 1 modules | 40 40W | M16B module | V-shaped groove | A 3535 | A CCC-VDE | 18 18pcs |
| 1B 1B series | 2 2 modules | 50 50W | M1A module | | B 5050 | C PSE | 28 28pcs |
| | | 120 120W | M8B module | | C 3030 | H UL | 65 65pcs |

| Lens Code | | CRI&CCT | | Brand of LEDs | | Driver Brand | | Housing Colors | |
|----------------------|----------------------|----------------------|---------------------|------------------|-----------------|--------------|--|----------------|--|
| 1107 Type I Short | 1501 Type I Short | 5323 Type I Short | 7030 Ra ≥ 70, 3000K | LU LUMILEDS | IN INVENTRONICS | BK Black | | | |
| 2105 Type II Short | 3100 Type I Short | 1324 Type II Short | 7040 Ra ≥ 70, 4000K | IN LUMINUS | MO MOSO | WH White | | | |
| 2128 Type II Short | 1112 Type II Short | 2201 Type II Short | 7050 Ra ≥ 70, 5000K | CM CUSTOMIZATION | XX OTHER | BL Blue | | | |
| 2111 Type II Medium | 3702 Type II Medium | 2321 Type II Short | 7057 Ra ≥ 70, 5700K | XX OTHER | | GY Gray | | | |
| 3106 Type II Short | 3919 Type III Medium | 5321 Type II Short | | | | | | | |
| 1113 Type III Short | 5703 Type IV Medium | 1321 Type III Medium | | | | | | | |
| 2109 Type III Medium | 3040 Type V Square | | | | | | | | |
| 2127 Type III Medium | | | | | | | | | |
| 2040 Type V | | | | | | | | | |
| 2114 Type V | | | | | | | | | |

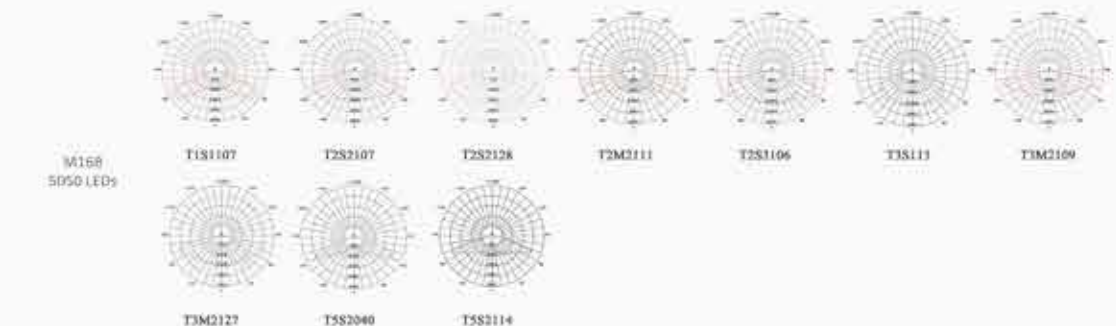
Performance

| Model | Power (W) | 40W LEDs - 18pcs | | 50W LEDs - 18pcs | | 55W LEDs - 18pcs | | 70W LEDs - 18pcs | |
|-------|-----------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|
| | | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) |
| T1B-1 | 40 | 188 | 6,328 | 182 | 6,280 | 179 | 6,207 | 155 | 5,400 |
| | 50 | 182 | 6,136 | 145 | 5,230 | 122 | 4,190 | 120 | 4,200 |
| | 60 | 155 | 5,305 | 133 | 4,789 | 117 | 4,020 | 122 | 4,329 |
| T1B-2 | 80 | 173 | 6,900 | 160 | 6,400 | 127 | 4,360 | 140 | 5,040 |
| | 100 | 170 | 6,700 | 150 | 6,000 | 130 | 4,600 | 135 | 4,900 |
| | 120 | 163 | 6,460 | 140 | 5,600 | 122 | 4,240 | 127 | 4,540 |

* Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

* Values shown are subject to ±5% tolerance.

Distributions





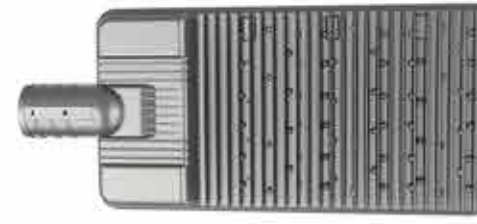
Venus,
The embodiment of love and beauty,
Dazzling and shining,
Standing in the darkness, holding up a curtain of light.

Venus
solar split lamp

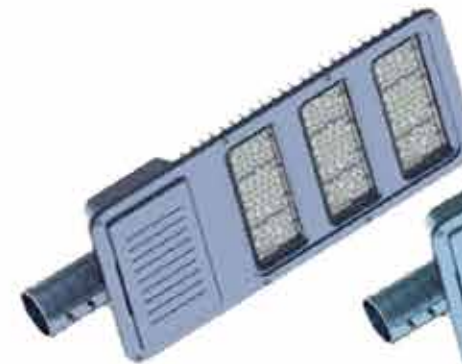
Lamp Display ▶▶



Luminaire View ▶▶



Optional Colors ▶▶



LED STREET LIGHT



MODULAR CITY CIRCUIT LIGHT

Overall simple line design, modern and beautiful modeling.

Modular pluggable technology, easy tool maintenance.

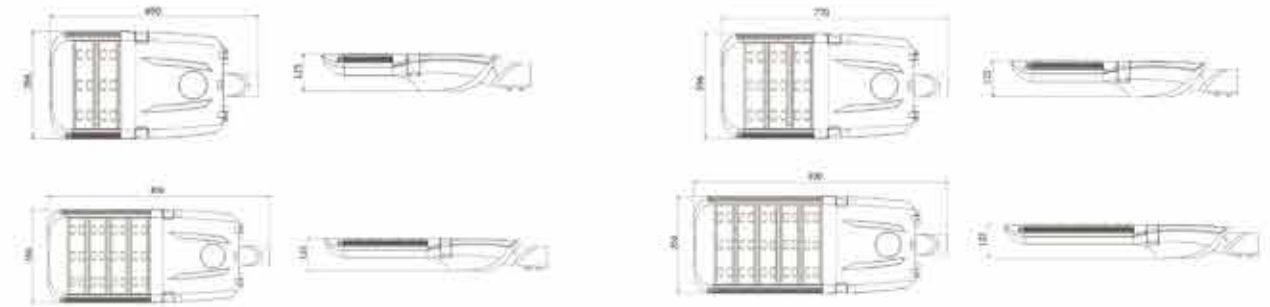
The back adopts honeycomb heat dissipation and full structure heat dissipation technology; efficient heat dissipation performance.

Die-cast aluminum, good heat dissipation performance; High efficiency modular lens.

High-quality die-casting structure design achieves strong structure and durable.

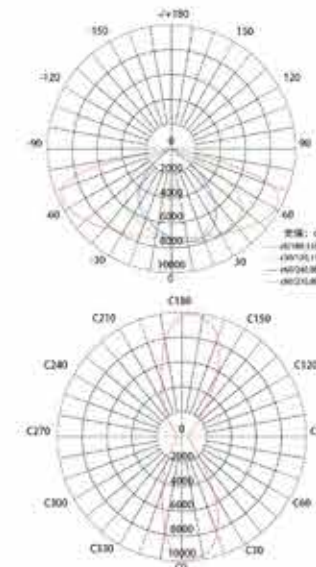


Product Dimension



Product Parameter

| parameter | RT-DL-001 | RT-DL-002 | RT-DL-003 | RT-DL-004 |
|------------------------|-----------------|-----------------|-----------------|-----------------|
| Rated power | 60W-120W | 90W-180W | 120W-240W | 150W-300W |
| Input voltage | 100-305V AC | 100-305V AC | 100-305V AC | 100-305V AC |
| Frequency | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Power factor | >0.95 | >0.95 | >0.95 | >0.95 |
| Light source | LUMILEDS/CREE | LUMILEDS/CREE | LUMILEDS/CREE | LUMILEDS/CREE |
| Light efficiency | 150lm/W-180lm/W | 150lm/W-180lm/W | 150lm/W-180lm/W | 150lm/W-180lm/W |
| Color temperature | 3000K-6500K | 3000K-6500K | 3000K-6500K | 3000K-6500K |
| Color rendering index | CRI > 70 | CRI > 70 | CRI > 70 | CRI > 70 |
| Operating temperature | -35°C-70°C | -35°C-70°C | -35°C-70°C | -35°C-70°C |
| Working humidity | 10%-90% | 10%-90% | 10%-90% | 10%-90% |
| LED life | >50000H | >50000H | >50000H | >50000H |
| IK level | IK08 | IK08 | IK08 | IK08 |
| IP level | IP67 | IP67 | IP67 | IP67 |
| Anti-back lighting | Class II | Class II | Class II | Class II |
| Lens material | 进口光学 PC | 进口光学 PC | 进口光学 PC | 进口光学 PC |
| Lamp body material | ADC12 | ADC12 | ADC12 | ADC12 |
| Mounting pipe diameter | φ60 | φ60 | φ60 | φ60 |
| Luminous dimensions | 690*356*125mm | 770*356*125mm | 850*356*125mm | 930*356*125mm |
| Mounting height | 6-8m | 8-10m | 8-10m | 10-12m |



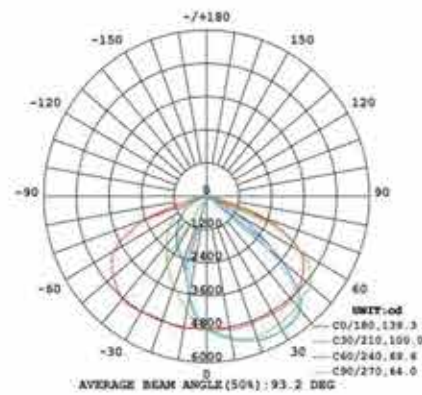
LED STREET LIGHT



LED STREET LIGHTS

1. New design structure, simple, stylish, convenient and practical.
2. National standard module, high luminous efficiency, 100~130LM/watt.
3. The high-conductivity heat dissipation of aluminum profile effectively prolongs the service life of the tunnel lamp.

4. Optional fog silver high-purity aluminum reflector, simple and elegant appearance, sturdy and reliable structure, with anti-glare function.
5. Streamlined appearance design, it will prevent your hand from being scratched by the rough firmware, and the accurate angle dimension of the bracket.



Product Parameter

| PRODUCT MODEL | FLOD(60W-120W) | BSW-PDZTYN-02 | BSW-PDZTYN-03 | BSW-PDZTYN-04 |
|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Input voltage | AC 100V-240V | AC 100V-240V | AC 100V-240V | AC 100V-240V |
| Frequency range | 50HZ-60HZ | 50HZ-60HZ | 50HZ-60HZ | 50HZ-60HZ |
| Power factor | >0.95 | >0.95 | >0.95 | >0.95 |
| Chip brand | EPISTAR | EPISTAR | EPISTAR | EPISTAR |
| Power brand | bridgelux | bridgelux | bridgelux | bridgelux |
| System light effect | 100-130lm/W | 100-130lm/W | 100-130lm/W | 100-130lm/W |
| Power efficiency | >90% | >90% | >90% | >90% |
| Color temperature | 2700-6500K | 2700-6500K | 2700-6500K | 2700-6500K |
| Color rendering index | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| Light distribution | Bats airfoil light | Bats airfoil light | Bats airfoil light | Bats airfoil light |
| Light design | Lens light distribution | Lens light distribution | Lens light distribution | Lens light distribution |
| Junction temperature | ≤90C | ≤90C | ≤90C | ≤90C |
| Working temperature | -30°C~+50°C | -30°C~+50°C | -30°C~+50°C | -30°C~+50°C |
| Product size | 422X320X140 | 522 X320X140 | 600 X320X140 | 700X320X140 |
| IP Grade | IP65 | IP65 | IP65 | IP65 |
| Working life-span | >50,000H | >50,000H | >50,000H | >50,000H |



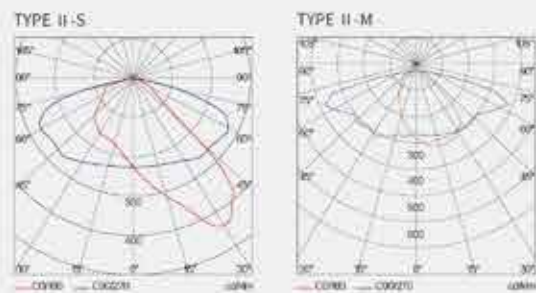
Light BSW-GM.SD

GUANG MANG BSW

Various colors available



Light distribution curve



TYPE II : This kind of light type is mainly used in the entrance bicycle lane of the relatively wide sidewalk and other narrow and narrow lighting applications. The main body of the lamp is located on the side of the road instead of the center. The width of the lighting is generally between 1-1.75 times the height of the lamp.

Modular pluggable technology, tool-free on-site protection; honeycomb heat dissipation and full-structure heat dissipation technology; no gold wire common product welding, avoiding the risk of dead lights; dual coupling design protection, ultra-high waterproof level; single damage does not affect the current of other particles; intelligent constant current drive technology breaks through the bottleneck of power supply life; anthropological light distribution, uniform road lighting; free serialization; full power solutions.

Product internal structure display



Product technical parameter table

| Product number | BSW-GM.SD-01 | BSW-GM.SD-02 | BSW-GM.SD-03 | BSW-GM.SD-04 |
|------------------------------|-------------------------|---------------------|---------------------|---------------------|
| Product Image | | | | |
| Rated power | 60~100W | 90~150W | 120~200W | 150~240W |
| Input voltage | AC100~305V | AC100~305V | AC100~305V | AC100~305V |
| Type of light source | CREE/SEOUL/LUMILEDS | CREE/SEOUL/LUMILEDS | CREE/SEOUL/LUMILEDS | CREE/SEOUL/LUMILEDS |
| LED Light Luminous | 180lm/W | 180lm/W | 180lm/W | 180lm/W |
| Frequency Range | 50/60Hz | | | |
| Color temperature | 3000K 4000K 5000K 6000K | | | |
| Power Factor | >0.95 | | | |
| Color rendering index | ≥Ra70 | | | |
| Working temperature | -35~70°C | | | |
| Working environment humidity | 10~90% | | | |
| LED Life | >50000H | | | |
| IP grade | IP67 | | | |
| Installation pipe diameter | φ60mm | | | |
| Installation height | 6~8m | 6~8m | 8~10m | 8~10m |
| Product size chart | | | | |
| Lamp size | 635×360×115mm | 715×360×115mm | 795×360×115mm | 875×360×115mm |

| Product number | BSW-GM.SD-05 |
|------------------------------|-------------------------|
| Product Image | |
| Rated power | 180~300W |
| Input voltage | AC100~305V |
| Type of light source | CREE/SEOUL/LUMILEDS |
| LED Light Luminous | 180lm/W |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K 4000K 5000K 6000K |
| Power Factor | >0.95 |
| Color rendering index | ≥Ra70 |
| Working temperature | -35~70°C |
| Working environment humidity | 10~90% |
| LED Life | >50000H |
| IP grade | IP67 |
| Installation pipe diameter | φ60mm |
| Installation height | 8~10m |
| Product size chart | |
| Lamp size | 955×360×115mm |



STREET LIGHT



Radiant BSW-GR.SD

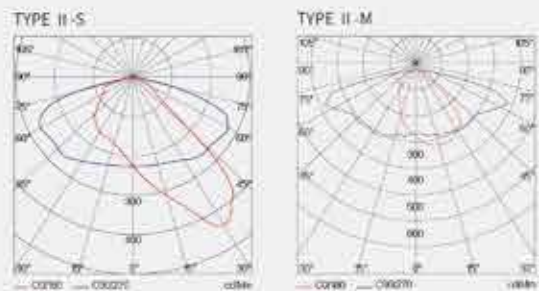
GUANG RUN BSW

Modular pluggable technology, tool-free on-site protection; honeycomb heat dissipation and full-structure heat dissipation technology; no gold wire common product welding, avoiding the risk of dead lights; dual coupling design protection, ultra-high waterproof level; single damage does not affect the current of the other particles; intelligent constant current drive technology, breaking through the bottleneck of the power supply life name; anthropological light distribution uniform road lighting; free serialization, full power solutions.

Various colors available



Light distribution curve



TYPE II : This kind of light type is mainly used in the entrance bicycle lane of the relatively wide sidewalk and other narrow and narrow lighting applications. The main body of the lamp is located on the side of the road instead of the center. The width of the lighting is generally between 1-1.75 times the height of the lamp.



Front view

Top view



Product technical parameter table

| Product number | BSW-GR.SD-01 | BSW-GR.SD-02 | BSW-GR.SD-03 |
|------------------------------|-------------------------|---|--------------------------------|
| Product Image | | | |
| Rated power | 30-60W | 60-100W (2modules) / 90-150W (3modules) | 90-150W (4模块) / 120-200W (5模块) |
| Input voltage | AC100-305V | AC100-305V | AC100-305V |
| Type of light source | CREE/SEOUL/LUMILEDS | CREE/SEOUL/LUMILEDS | CREE/SEOUL/LUMILEDS |
| LED Light Luminous | 180lm/W | 180lm/W | 180lm/W |
| Frequency Range | 50/60Hz | | |
| Color temperature | 3000K 4000K 5000K 6000K | | |
| Power Factor | >0.95 | | |
| Color rendering index | ≥Ra70 | | |
| Working temperature | -35-70°C | | |
| Working environment humidity | 10-90% | | |
| LED Life | >50000H | | |
| IP grade | IP67 | | |
| Installation pipe diameter | φ60mm | | |
| Installation height | 6-8m | 8-10m | 10-12m |
| Product size chart | | | |
| Lamp size | 500×235×95mm | 680×320×105mm | 920×385×145mm |



LED STREET LIGHT



Models



YC-AL 13 (90W-120W)

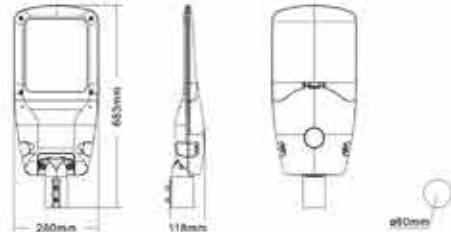


YC-AL 14 (50W-80W)

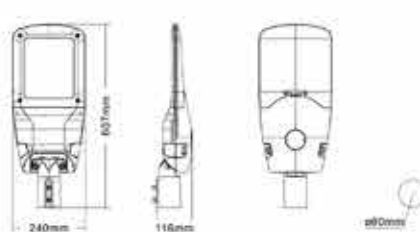


YC-AL 16 (150W-200W)

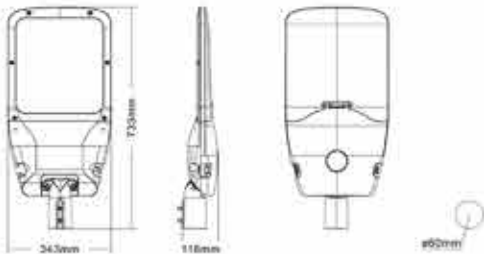
Diagram



YC-AL 13 (90W-120W)



YC-AL 14 (50W-80W)



YC-AL 16 (150W-200W)

Installation instructions

Two installation methods



Horizontal installation



Finished-Horizontal installation



Vertical installation



Finished-Vertical installation

Features

1. Streamline shape, anti-wind
2. ADC12 Diecasting aluminum body.
3. Optional with sensor.
4. IP65 Waterproof for outdoor use.
5. Angle adjustable adapter, adjustable angle +/-15°
6. The power cover can be opened without tools, and the sensor can be installed.
7. Conventional 201 stainless steel screws can be replaced with 304.

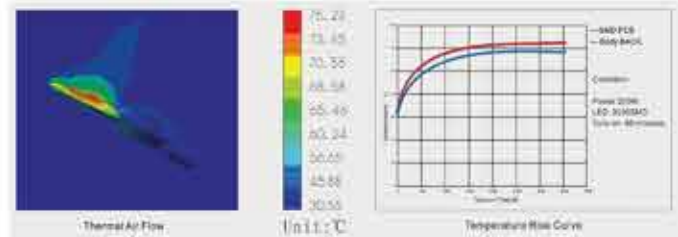
Product Parameter

| PRODUCT MODEL | YC-AL 13 | YC-AL 14 | YC-AL 16 |
|-------------------|----------------|-----------------|-----------------|
| Power | 50W-80W | 90W-120W | 150W-200W |
| Lamp Size(mm) | 607*240*116mm | 683*280*118mm | 733*343*116mm |
| Input Voltage | AC85-305V | AC85-305V | AC85-305V |
| Light Source | 3030SMD(72pcs) | 3030SMD(144pcs) | 3030SMD(240pcs) |
| CRI | RA>70 | RA>70 | RA>70 |
| IP/IK Grade | IP65/IK08 | IP65/IK08 | IP65/IK08 |
| G.W.(kg) | 3.5 | 4.5 | 5.1 |
| CARTON(mm) | 650*280*160mm | 715*315*165mm | 775*375*140mm |
| N.W.(kg) | 4 | 5.3 | 6.9 |
| Pole Diameter(mm) | 60 | 60 | 60 |

Steps for Horizontal Installation



Steps for Vertical Installation



STREET LIGHT

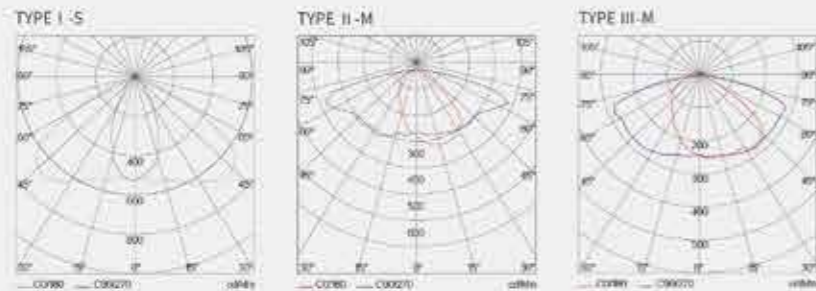


Pinshang BSW-PS.SD
PIN SHANG BSW

Various colors available



配光曲线



TYPE I : This light type is mainly used in narrow sidewalks or bicycle lanes. The main body of the lamp holder is located in the center of this road, and the lighting width (perpendicular to the direction of travel of the road) is basically the same as the lamp height.

TYPE II : This type of light is mainly used for wide sidewalks, entrances of driving lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road instead of the center. The lighting width is generally 1-1.75 times the height of the lamp.

TYPE III : This type of light is mainly used for wide sidewalks, entrances to driving lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road instead of the center. The lighting width is generally 1-1.75 times the height of the lamp.



Product technical parameter table

| Product number | BSW-PS2.SD-01 | BSW-PS2.SD-02 | BSW-PS4.SD-03 | BSW-PS4.SD-04 |
|------------------------------|---------------------------|---------------|---------------------------|---------------|
| Product Image | | | | |
| Rated power | 80W | 120W | 150W | 180W |
| Input voltage | AC100-305V | AC100-305V | AC100-305V | AC100-305V |
| Type of light source | BRIDGELUX/EDISON/LUMILEDS | | BRIDGELUX/EDISON/LUMILEDS | |
| LED Light Luminous | 180lm/W | 180lm/W | 180lm/W | 180lm/W |
| Luminous flux | 11200lm | 14000lm | 21000lm | 25200lm |
| Frequency Range | 50/60Hz | | | |
| Color temperature | 3000K 4000K 5000K 6000K | | | |
| Power Factor | >0.95 | | | |
| Color rendering index | ≥Ra70 | | | |
| Working temperature | -35-70°C | | | |
| Working environment humidity | 10-90% | | | |
| LED Life | >50000H | | | |
| Protection level | IP66 | | | |
| Installation pipe diameter | φ60mm | | | |
| Installation height | 6-8m | 8-10m | 8-10m | 8-10m |
| Lamp size | 578×235×95mm | 578×235×95mm | 770×235×95mm | 770×235×95mm |

Product detail presentation



SOLAR GARDEN LIGHT



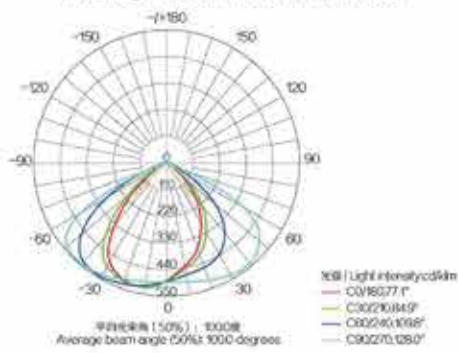
SOLAR GARDEN LIGHTS

- The lamp body is made of precision casting aluminum alloy.
- High strength, strong impact resistance.
- Use wide voltage power supply AC100-305V.
- All screws are made of 304 stainless steel.
- Excellent optical performance, with uniform light distribution.

Product Parameter

| | |
|-----------------------------------|---------------------------------------|
| 产品型号 Product number | CZ-TYNGN |
| 额定功率 Rated power | 15W-20W |
| 系统电压 System voltage | DC32V |
| 锂电池 lithium battery | 32V/40AH |
| 太阳能电板 Solar panel | 6V/30W |
| 光源类型 Type of light source | LUMILEDS - CREE |
| 配光类型 Light distribution type | 朗伯型配光 Lambertian light distribution |
| 灯具光效 Light effect | 170LM/W |
| 色温 Color temperature | 3000K/4000K/5700K/6500K |
| 显色指数 CRI | ≥Ra70 |
| IP等级 IP rating | IP65 |
| K等级 K grade | K08 |
| 工作温度 Working temperature | -10℃~+60℃ |
| LED寿命 LED life | >50000H |
| 控制器 Controller | / |
| 安装管径 Installation pipe diameter | φ76mm |
| 灯具尺寸 Lamp size | 580x380x320mm |
| 建议安装高度 Installation height | 3m/3.5m |

Meridian light distribution curve (15W parameter)



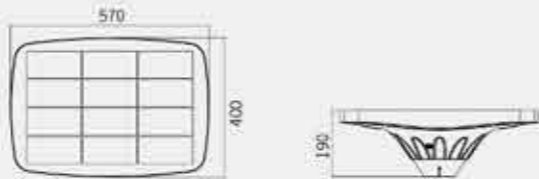
ALL IN ONE SOLAR GARDEN LIGHT

Patent:202030471233.6



Daisy **BSW-CJ.TYN**
CHUJU **BSW**

Streamlined appearance design, with self-cleaning, no dust accumulation and other functional design;
The lamp body is made of high-pressure die-cast aluminum,
High strength, strong impact resistance,
The surface is treated with electrostatic powder spraying,
Light and thin texture, good corrosion resistance;
High-efficiency solar cells, different configurations, to meet different lighting needs;
Built-in lithium iron phosphate battery, long life and safety.



NUVOLT

Product technical parameter table



| Product number | BSW-JU.TYN.A | BSW-JU.TYN.B |
|------------------------------|-------------------------|--------------|
| Rated power | 20W | 30W |
| Solar panel | 6V/30W | 6V/30W |
| Lithium battery | 3.2V/30AH | 3.2V/40AH |
| Type of light source | LUMILEDS, CREE | |
| Color temperature | 3000K 4000K 5000K 6000K | |
| Color rendering index | ≥Ra70 | |
| Working temperature | -10°C~70°C | |
| Working environment humidity | 10~90% | |
| LED lamp bead effect | 180lm/W | |
| LED Life | >50000H | |
| Protection level | IP65 | |
| Installation pipe diameter | Φ76mm | |
| Installation height | 3~5m | |
| Lamp size | 570×400×190mm | |

Product detail presentation



Bat wing light distribution

The latest light source patented technology, through the special structure of this lens, the light emitted from the light source which can form into a batwing shape, which achieves the best uniform illumination and greatly improves the lighting effect.



Solar panel

The selection of materials is strict, after many tests and strong qualified cells can be selected. Special laminating process is adopted to ensure the adhesive strength of EVA, tempered glass and backplane. The solar panel has good performance, long life and high power generation efficiency.



Efficient controller

Intelligent power adjustment, automatic weather judgment, reasonable planning of charge rates, embedded microcomputer control system, intelligent control of multiple charging and discharging working modes, make the entire system more efficient and energy saving.



Environmental protection smart lithium iron phosphate battery

The cycle life is more than 1500 times, it is safe to use, without the danger of fire or explosion, high temperature resistance, large capacity, green environmental protection, non-toxic and non-polluting.



Atmosphere decoration design

The specified color or RGB can be customized according to the needs of the lighting environment.



Solar switch

The mechanical switch design is used to effectively prevent the battery from running out during storage and transportation and protect the product performance.

LED FLOOD LIGHT



MODULAR FLOOD LIGHTS

- Simple shape design, natural dust removal, keep lamps clean, high flow rate.
- Strong heat dissipation, long life, improves the life of the lamp.
- The power can be selected according to customer needs to meet the needs of various occasions.
- The streamline heat dissipation design is more conducive to LED heat dissipation.
- High-quality die-casting structure design achieves strong structure and durable.

APPLICATION ENVIRONMENT

- Widely used in road lighting, street lighting, new rural construction lighting
- Community lighting, factory lighting stadium lighting park lighting and other environments

Product Size



Product Parameter

| PRODUCT MODEL | RT-TG-001 | RT-TG-002 | RT-TG-003 | RT-TG-004 |
|-----------------------|-----------------|-----------------|-----------------|-----------------|
| Rated power | 60W-160W | 90W-240W | 120W-320W | 150W-400W |
| Input voltage | 100-305VAC | 100-305VAC | 100-305VAC | 100-305VAC |
| Frequency Range | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Power Factor | >0.95 | >0.95 | >0.95 | >0.95 |
| Type of light source | LUMILEDS/CREE | LUMILEDS/CREE | LUMILEDS/CREE | LUMILEDS/CREE |
| Light effect | 150lm/W-180lm/W | 150lm/W-180lm/W | 150lm/W-180lm/W | 150lm/W-180lm/W |
| Color temperature | 3000K-6500K | 3000K-6500K | 3000K-6500K | 3000K-6500K |
| Color rendering index | CRI>70 | CRI>70 | CRI>70 | CRI>70 |
| Operating temperature | -35°C~70° | -35°C~70° | -35°C~70° | -35°C~70° |
| Working humidity | 10%-90% | 10%-90% | 10%-90% | 10%-90% |
| LED lifetime | >50000H | >50000H | >50000H | >50000H |
| IK level | IK08 | IK08 | IK08 | IK08 |
| IP level | IP67 | IP67 | IP67 | IP67 |
| Light body material | ADC12 | ADC12 | ADC12 | ADC12 |
| Lamp size | 340*400*110mm | 420*400*110mm | 500*400*110mm | 580*400*110mm |

PROJECT-LIGHT LAMP

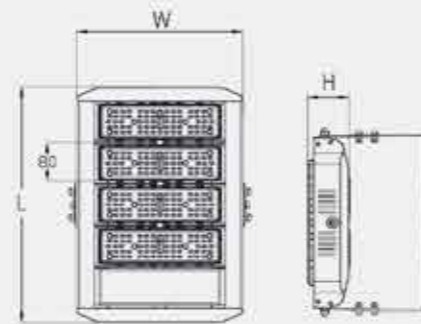


Chok 300 BSW-AC-CA-17

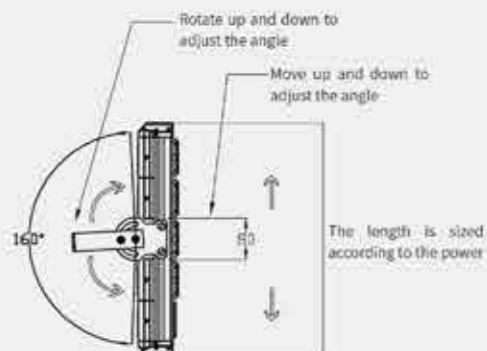
QIAD KE 300 BSW

Features such as structure, energy saving, flexibility, simplicity, low light attenuation, high light efficiency, and more novel technologies.

Pioneer CHOK300 adopts excellent practical patented control technology, such as microcomputer controller and PIR motion sensor. It perfectly meets the performance requirements of high brightness, low power consumption, low maintenance and long service life. And its waterproof and heat dissipation are also excellent.



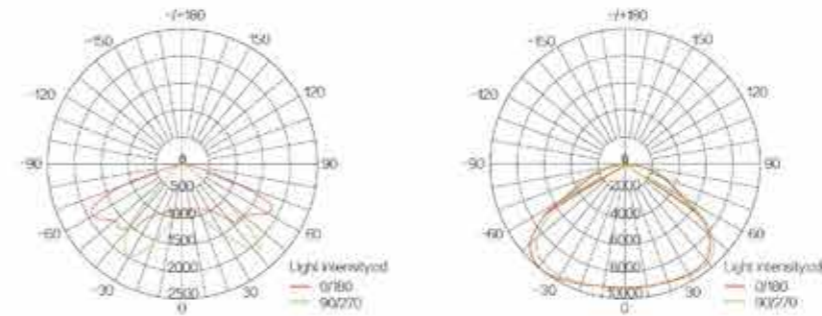
| Product number | L | W | H | Number of light sources |
|------------------|-----|-----|----|-------------------------|
| BSW-CHOK.DTGD-01 | 220 | 335 | 80 | 65Pcs |
| BSW-CHOK.DTGD-02 | 300 | 335 | 80 | 130Pcs |
| BSW-CHOK.DTGD-03 | 380 | 335 | 80 | 195Pcs |
| BSW-CHOK.DTGD-04 | 460 | 335 | 80 | 260Pcs |
| BSW-CHOK.DTGD-05 | 540 | 335 | 80 | 325Pcs |
| BSW-CHOK.DTGD-06 | 620 | 335 | 80 | 390Pcs |



Product technical parameter table

| Product number | -01 | -02 | -03 | -04 | -05 | -06 |
|------------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|
| Rated power | 30W | 50W | 100W | 200W | 300W | 300W |
| Input voltage | AC 100-305V | | | | | |
| Type of light source | CREE/SEOUL/LUMILEDS | | | | | |
| LED lamp bead effect | 180lm/W | | | | | |
| Frequency Range | 50/60Hz | | | | | |
| Color temperature | 2700K-6500K | | | | | |
| Power Factor | >0.95 | | | | | |
| Color rendering index | ≥Ra70 | | | | | |
| Working temperature | -35~70°C | | | | | |
| Working environment humidity | 10~90% | | | | | |
| LED Life | >50000H | | | | | |
| Protection level | IP65 | | | | | |
| Lamp size(mm) | 220×335×230 | 300×335×230 | 380×335×230 | 460×335×230 | 540×335×230 | 620×335×230 |

Light distribution



HIGH BAY LIGHT



DETAILS OF HIGHBAY LIGHTS

1. Adopt one-piece structure design, simple and tough appearance; choose 1060 industrial aluminum material with high corrosion resistance and high thermal conductivity.

One-piece forging process, precise plasticity, large heat dissipation area and good thermal conductivity.



2. The whole lamp is processed by electrophoresis, the product has excellent anticorrosion and antirust functions, and is suitable for various working environments; the structure is waterproof and the product protection level can reach IP65



3. 60° lens, 110° lens or glossy lens can be selected. The lens is made of high-quality imported PC material, with high light transmittance, flame retardant and wear resistance and UV resistance. Professional light distribution can meet different needs.

4. Optional fog silver high-purity aluminum reflector, simple and elegant appearance, sturdy and reliable structure, with anti-glare function.

Product Parameter

| PRODUCT MODEL | BSWHL15-100WA | BSWHL15-150WA | BSWHL15-200WA |
|---------------------|---------------------------|---------------------------|---------------------------|
| Rated power | 100W | 150W | 200W |
| LED type | SMD 3030 | SMD 3030 | SMD 3030 |
| LED Qty | 192 PCS | 192 PCS | 240 PCS |
| Connection | 32P6S | 32P6S | 32P6S |
| LED Volt | 36V | 36V | 36V |
| Driver type | HBG-100-36A | HBG-100-36A | HBG-100-36A |
| Input Volt | 100-277V | 100-277V | 100-277V |
| Dimming | VPMW, Timer, Dali | VPMW, Timer, Dali | VPMW, Timer, Dali |
| Power Factor | 0.95 | 0.95 | 0.95 |
| Lumen | >140LM/W | >140LM/W | >140LM/W |
| Color Temp | 3000-6500K | 3000-6500K | 3000-6500K |
| Color Render | >70 | >70 | >70 |
| Beam Angle | 60°/110° | 60°/110° | 60°/110° |
| Product size | Φ240x125mm | Φ240x125mm | Φ280x125mm |
| Installation height | Hook rings square bracket | Hook rings square bracket | Hook rings square bracket |
| Light material | Die-case AL+ PClens | Die-case AL+ PClens | Die-case AL+ PClens |
| Protection degree | IP54 | IP54 | IP54 |
| Work Temp | -30C~+50C | -30C~+50C | -30C~+50C |
| Work Humidity | 10%~90% | 10%~90% | 10%~90% |

HIGH-POLE LAMP



Poseidon BSW-BSD.GGD

BO SAI DONG BSW

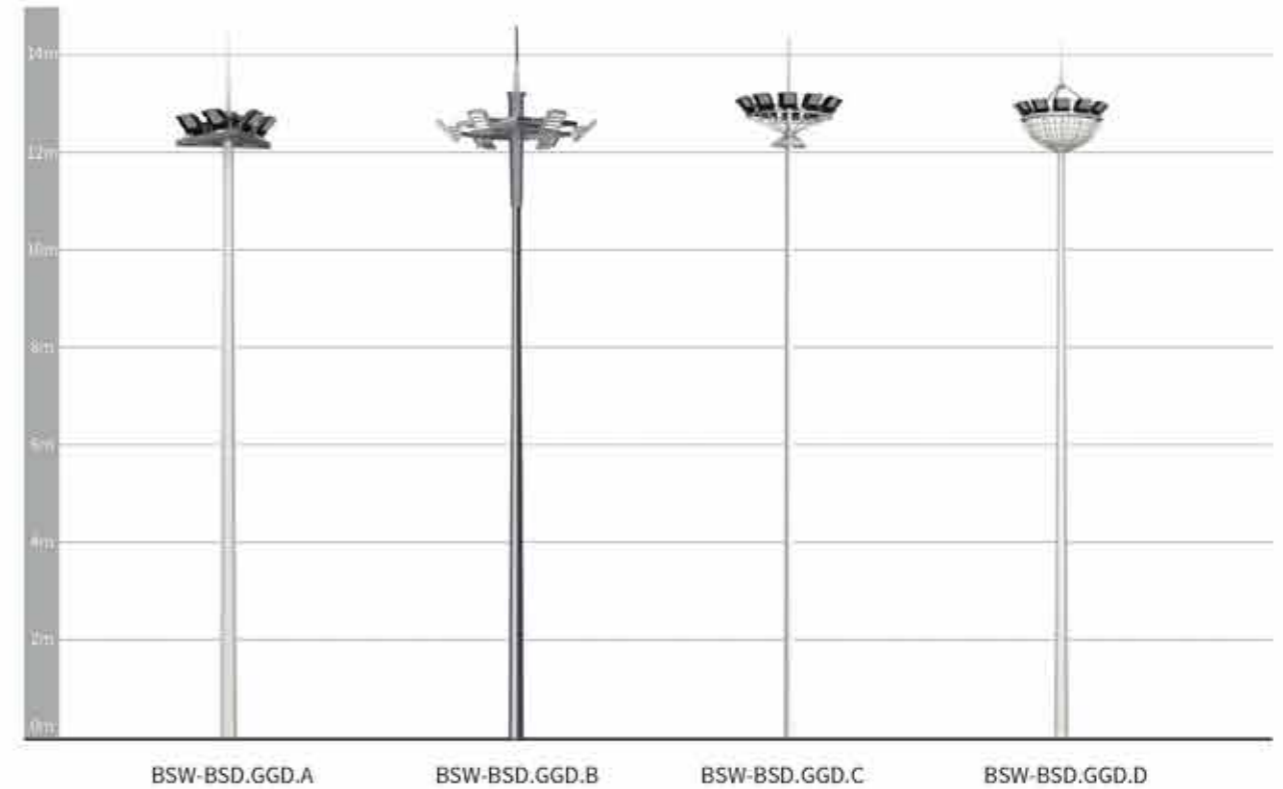
The anti-corrosion process adopts hot-dip galvanizing technology; the lamp body of the high pole lamp is polished and pickled to remove the surface dust, welding slag and rust spots, and then immersed in the galvanizing bath, so that the pole body and the outside are evenly attached to a thick zinc layer, suitable for any outdoor;
 The frame of the lamp panel is made of high-quality stainless steel, strong and durable;
 Fastener bolts and nuts are made of stainless steel for durability;



Product technical parameter table

| Product number | BSW-BSD.GGD.A | BSW-BSD.GGD.B | BSW-BSD.GGD.C | BSW-BSD.GGD.D |
|-----------------------|----------------|---------------|---------------|---------------|
| Rated power | 1800W | 1800W | 2400W | 3000W |
| Input voltage | AC100-305V | | | |
| Working temperature | -35°C~70°C | | | |
| Frequency Range | 50/60Hz | | | |
| Light source | LUMILEDS, CREE | | | |
| Power Factor | >0.95 | | | |
| Color temperature | 3000K-6500K | | | |
| LED lamp bead effect | 180lm/W | | | |
| Color rendering index | ≥Ra70 | | | |
| System efficiency | 90% | | | |
| LED Life | >50000H | | | |
| Lens material | PC | | | |
| IP rating | IP65 | | | |
| Humidity range | 10%-90% | | | |
| Installation height | 15m-30m | | | |

A variety of combinations to choose



LED-GARDEN LIGHT



Crystal ball BSW-SJD.TYD

SHUI JING QIU BSW

Patent:202030585507.4

Patent for utility model:202022788531.5

Compared with traditional lampshades, the light efficiency is increased by 60%-80%, and the use time of the lampshade can reach 6-10 years, and the comprehensive maintenance difficulty and cost are reduced by 80%. Its application makes traditional Chinese lamps and combination lamps enter the market. In addition to the ranks of energy-saving lamps, the gorgeous and decorative lamps can continue to be passed on.

Product technical parameter table

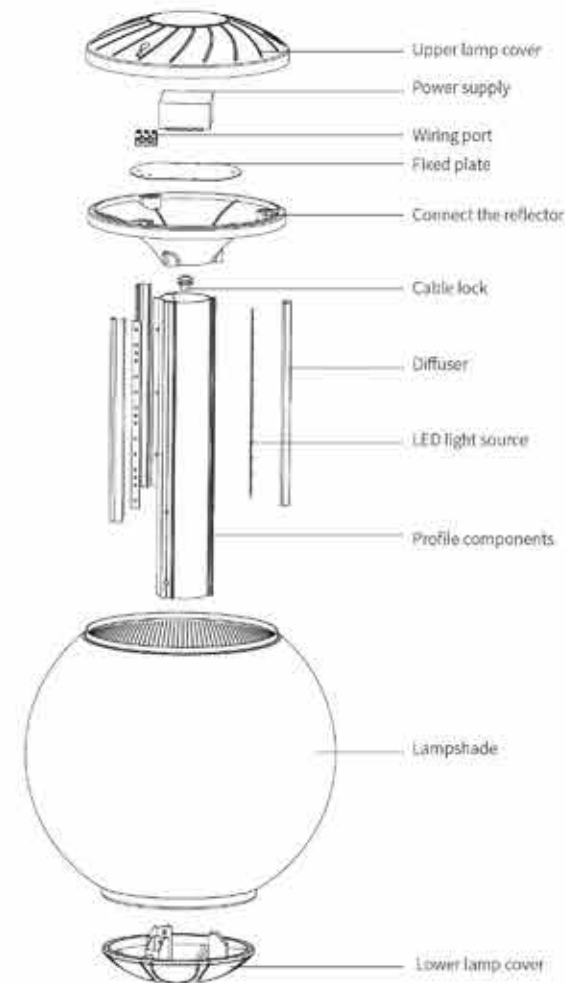
| Product number | BSW-SJD.TYD |
|------------------------------|----------------|
| Rated power | 30W/45W/60W |
| Input voltage | AC 85-260V |
| Type of light source | LUMILEDS, CREE |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K ~ 6500K |
| Power Factor | >0.95 |
| Color rendering index | ≥ Ra70 |
| Working temperature | -35~70°C |
| Working environment humidity | 10-90% |
| LED lamp bead effect | 180lm/W |
| LED Life | >50000H |
| Protection level | IP65 |
| Installation pipe diameter | φ76mm |
| Installation height | 3-5m |
| Lamp size | φ400×500mm |



Color display



product detail presentation



Material of lamp cover:
The lamp cover is made of die-casting aluminum alloy material, with good heat dissipation performance, smooth shape and it is not easy to accumulate dust. The function of efficient rainwater self-clean can better extend the life of the lamp.

IMPORTED ACRYLIC MASK:
The mask is made of imported acrylic material, with a light transmittance of more than 92%, and its performance is not easy to change under long-term sunlight, and its anti-aging performance is good.

Led Chip Light Source:
Using branded LED chips, the light color is pure, soft, no glare, high luminous efficiency, low temperature, no harmful ultraviolet rays, and environmentally friendly.

New Patented installation method:
The lampshade adopts a new chute design and installation method, and the profile components are integrally formed. In the structural function design, the heat dissipation function and the installation pipe diameter equipment are combined into one, the structure is simple, the installation is convenient, and the adjustment is convenient.

LED-GARDEN LIGHT

Own a planet,
Holding a world in hand,
Start the magical journey of the crystal planet,
Imagine,
It takes us across different galaxies in an instant...



The courtyard is suitable for garden scenic spots

Cultural leisure and entertainment plaza

Pedestrian street, commercial street, residential area, both sides of the carriageway, etc.

NUVOLT



LED-GARDEN LIGHT



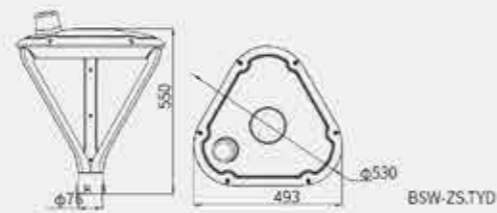
专利号: 202030218962.0



Zhong sen BSW-ZS.TYD

The lamp body adopts a die-casting aluminum process and one-time molding process. The modular design can select the power according to customer requirements to meet the requirements of various occasions. It is more conducive to LED heat dissipation and improves lamp life.

The lampshade is made of ultra-white tempered glass with high light transmittance; the fasteners are made of stainless steel and are not easy to rust. It is an excellent lighting product for outdoor courtyards, squares and pedestrian streets.



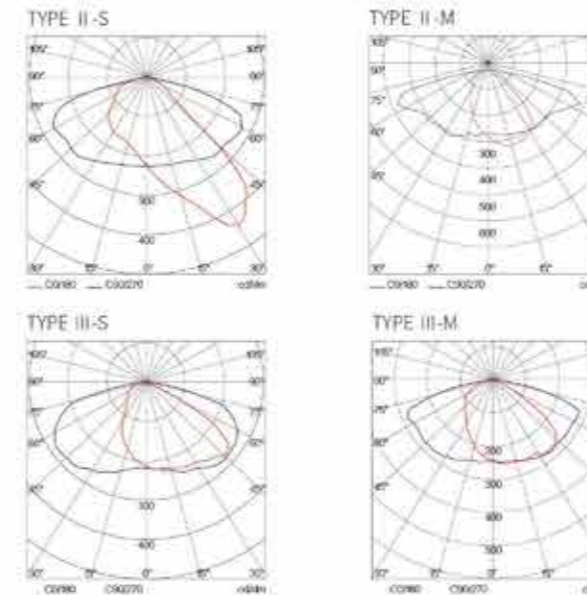
NUVOLT

Product technical parameter table



| Product number | BSW-ZS.TYD |
|------------------------------|----------------|
| Rated power | 30W-100W |
| Input voltage | AC 100-305V |
| Type of light source | LUMILEDS, CREE |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K - 6500K |
| Power Factor | >0.95 |
| Color rendering index | ≥Ra70 |
| Working temperature | -35~70°C |
| Working environment humidity | 10~90% |
| LED lamp bead effect | 180lm/W |
| LED Life | >50000H |
| Protection level | IP65 |
| Installation pipe diameter | φ76mm |
| Installation height | 3~5m |
| Lamp size | 493×550mm |

Light distribution



TYPE II: This type of light is mainly used for wide sidewalks, entrances to driving lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road instead of the center. The lighting width is generally between 1 and 1.75 times the height of the lamp.

TYPE III: Mainly used for highways, driving lanes, parking lots and general squares. The main position of the lighting lamp head is on the side of the road. The lighting width is between 1.75 and 2.75 times the height of the lamp.

product detail presentation



Multi-angle light distribution
Suitable for different application places and installation environments.



Light Control Management System
It can be equipped with various sensors/light management systems, which can realize functions such as photoelectric timing and dimming.

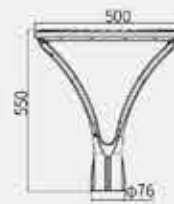
LED-GARDEN LIGHT



Star train BSW-XC.TYD

XING CHI BSW

The lamp holder is made of high-strength aluminum die-casting parts; high-efficiency heat dissipation, electrostatic spraying, strong corrosion resistance, long-lasting and durable; die-cast aluminum lamp body use a pole diameter of 76mm; a variety of optical angles are suitable for different applications and installation environment; all external screws are made of stainless steel;



BSW-XC.TYD

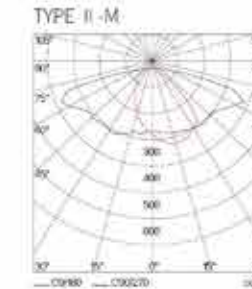
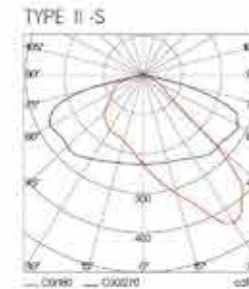


Product technical parameter table

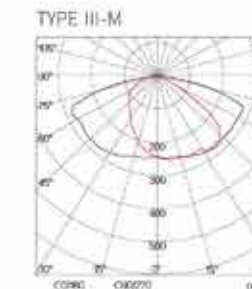
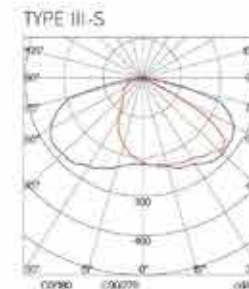


| | |
|------------------------------|----------------|
| Product number | BSW-XC.TYD |
| Rated power | 30W-100W |
| Input voltage | AC 100-305V |
| Type of light source | LUMILEDS, CREE |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K ~ 6500K |
| Power Factor | >0.95 |
| Color rendering index | ≥ Ra70 |
| Working temperature | -35~70°C |
| Working environment humidity | 10~90% |
| LED lamp bead effect | 180lm/W |
| LED Life | >50000H |
| Protection level | IP65 |
| Installation pipe diameter | φ76mm |
| Installation height | 3-5m |
| Lamp size | φ500×550mm |

Light distribution



TYPE II: This type of light is mainly used for wide sidewalks, entrances to driving lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road instead of the center. The lighting width is generally between 1 and 1.75 times the height of the lamp.



TYPE III: Mainly used for highways, driving lanes, parking lots and general squares. The main position of the lighting lamp head is on the side of the road. The lighting width is between 1.75 and 2.75 times the height of the lamp.

product detail presentation



LED-GARDEN LIGHT



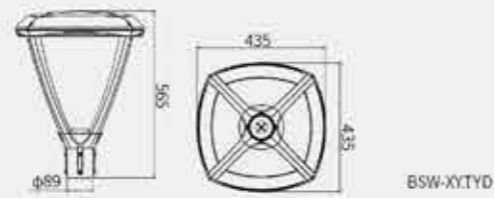
专利号: 202030626767.1



Astral space BSW-XY.TYD

XING YU BSW

The lamp holder is assembled by high-strength aluminum die-casting parts: high-efficiency heat dissipation, electrostatic spraying, strong corrosion resistance, long-lasting and durable; the lampshade is made of efficient light-transmitting glass material; Various optical angles, suitable for different application places and installation environments; all external screws are made of stainless steel.



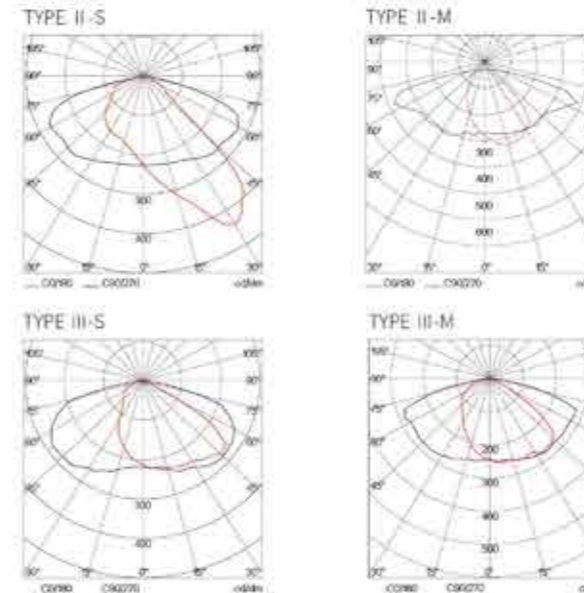
NUVOLT

Product technical parameter table



| | |
|------------------------------|----------------|
| Product number | BSW-XY.TYD |
| Rated power | 30W |
| Input voltage | AC 100-305V |
| Type of light source | LUMILEDS, CREE |
| Frequency Range | 50/60Hz |
| Color temperature | 3000K - 6500K |
| Power Factor | >0.95 |
| Color rendering index | ≥Ra70 |
| Working temperature | -35~70°C |
| Working environment humidity | 10~90% |
| LED lamp bead effect | 180lm/W |
| LED Life | >50000H |
| Protection level | IP65 |
| Installation pipe diameter | φ89mm |
| Installation height | 3~5m |
| Lamp size | 435×435×565mm |

Light distribution



TYPE II: This type of light is mainly used for wide sidewalks, entrances to driving lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road instead of the center. The lighting width is generally between 1 and 1.75 times the height of the lamp.

TYPE III: Mainly used for highways, driving lanes, parking lots and general squares. The main position of the lighting lamp head is on the side of the road. The lighting width is between 1.75 and 2.75 times the height of the lamp.

product detail presentation



Screw hidden design
Simple and generous, beautiful and attractive.



Multi-angle light distribution
Suitable for different application places and installation environments.

Solar Panels



UP TO 12 YEAR WARRANTY
PRODUCT MATERIAL AND WORKMANSHIP

25 YEAR WARRANTY
LINEAR POWER OUTPUT

V-TAC Solar Panels are engineered for a positive power tolerance, ensuring that they will always produce more power, equal to or greater than their rated power.

PID Resistance means our solar panels maintain their power efficiency despite high voltages, high temperatures, high humidity, and other potential factors. With advanced glass and cell surface textured design, excellent performance even during overcast days is possible. The 25-year Linear Output Warranty to guarantees that optimal power output will still be achieved even after decades of installation.

-  **HALF-CUT TECHNOLOGY**
Unique circuit design to reduce temperature heat spots
-  **SIGNIFICANTLY AVOIDING HEAT SPOT**
The unique circuit design to reduce the temperature heat spot significantly, so that to reduce the power loss and then increase the output of modules.
-  **LOWER COST**
Increasing power generation can reduce the cost per kilowatt-hour
-  **EXCELLENT PERFORMANCE OF PID RESISTANCE**
The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.



Flexible & Folding Solar Panels

Compatible with all Portable Power Stations



Flexible Solar Panels

100W

VT-10100
SKU 11568

Power: 100W
Size: 980*586*2.7mm
Working voltage: 17V
Working current: 5.88A

210W

VT-10210
SKU 11569

Power: 210W
Size: 1035*1035*2.7mm
Working voltage: 20.5V
Working current: 10.24A

03 YEAR WARRANTY

• Portable, Foldable, and Adjustable
Designed with an adjustable kickstand, seamlessly install the panels and get the best angle while solar charging. When you're done charging, just fold the panels and bring them everywhere you go.

• Built to Last
Designed to withstand scratches and poor weather, the ultra-durable solar panels are ideal for the outdoors and come in handy during power outages.



Portable power supply 2in1
SKU 11573



02 YEAR WARRANTY

Folding Solar Panels

80W

VT-10080
SKU 11564

Battery type: Monocrystalline solar cells
Folding method: 1*4 fold
Folded size: 366*356*54mm±5mm
Expanded Size: 1670*356*25mm±5mm
Weight (NW): 4.3KG±0.5KG
Standard working Voltage: 17.6V
Standard Working Current: 4.54A

120x2W

VT-10240
SKU 11565 With 2in1 Cable

Battery type: Monocrystalline solar cells
Folding method: 1*4 fold x 2pieces
Folded size: 430*540*54mm±5mm
Expanded Size: 1930*430*25mm±5mm
Weight (NW): 4.0Kg±0.3Kg
Standard working Voltage: 17.6V
Standard Working Current: 12.72

120W

VT-10120
SKU 11446

Battery type: Monocrystalline solar cells
Folding method: 1*4 fold
Folded size: 430*540*54mm±5mm
Expanded Size: 1930*430*25mm±5mm
Weight (NW): 4.0Kg±0.3Kg
Standard working Voltage: 17.6V
Standard Working Current: 6.36A

160W

VT-10160
SKU 11566 With 2in1 Cable

Battery type: Monocrystalline solar cells
Folding method: 1*4 fold
Folded size: 680*468*54mm±5mm
Expanded Size: 1670*680*25mm±5mm
Weight (NW): 6KG±0.5KG
Standard working Voltage: 17.6V
Standard Working Current: 9.08A



Solar Inverters



Solar Inverters are devices that convert the direct current (DC) from the solar panels into alternating current (AC) which is used by domestic and commercial appliances. It is one of the most critical components of the solar power system as it converts power from the sun into useful energy and is often referred to as the brain of a solar system. Solar inverters are a crucial part of a solar system since power from the sun cannot be directly used to run electrical appliances. V-TAC's range of solar inverters have evolved to become much more smart and intelligent units, performing other functions such as data monitoring, advanced utility controls, energy management, and more.

Solar Accessories

Compatible with all V-TAC Solar Systems

| | | | | |
|--|--|--|--|---|
| END CLAMP 35MM SKU: 11388 | MIDDLE CLAMP 35MM SKU: 11389 | SILVER RAIL 1.2 METER SKU: 11390 2 METERS SKU: 11538 | ROOFTOP HOOK-01 SKU: 11391 | |
| L FEET GROUP SKU: 11583 | STEEL HORSE-SHAPED KLIPLOCK01 SET SKU: 11584 | STEEL HORSE-SHAPED KLIPLOCK02 SET SKU: 11585 | TT-NUT SKU: 11392 | SPLICE FOR RAIL SKU: 11394 |
| GROUNDING PLATE SKU: 11395 | ADJUSTABLE FRONT LEG SKU: 11417 | ADJUSTABLE REAR LEG (10"-15") SKU: 11385 (15"-30") SKU: 11386 | PV CABLE CONNECTOR-MC4 SKU: 11413 | TRIANGLE SUPPORT-1700 SKU: 11387 |
| PV CABLE 100M 4 SQUARE - SKU: 11414 BLACK 4 SQUARE - SKU: 11418 RED 6 SQUARE - SKU: 11415 BLACK 6 SQUARE - SKU: 11419 RED | PV6 CABLE WITH MC4 CONNECTORS 2 END FOR SOLAR PANEL CONNECTION 1 METER SKU: 11570 2.5 METERS SKU: 11416 | WiFi DONGLE FOR INVERTERS SKU 11528 SKU 11378 | STORAGE BATTERY RACK MAX 5 LAYERS SKU 11556 Size: 558*500*160mm Adapting Battery-VT48100E-P2 | STORAGE BATTERY RACK MAX 5 LAYERS SKU 11557 Size: 598*589*260mm Adapting Battery-VT48200B |

SINGLE PHASE SMART METER

SKU: 11546



| | |
|---------------------|--|
| Nominal voltage | 220V, 230, 240V |
| Current | 5(80) A |
| Reference frequency | 50Hz or 60Hz |
| Accuracy | Class 1.0 |
| Operating range | 0.85Un ~ 1.15Un |
| Power consumption | Voltage loop: ≤1W/5VA; Current loop: ≤2VA |

THREE PHASE SMART METER

SKU: 11546



| | |
|---------------------|--|
| Nominal voltage | 3x220-240/380-415V; 3x120-138/208-240V |
| Current | Direct access: 5(80)A; Mutual access: 1.5(6)A |
| Reference frequency | 50Hz or 60Hz |
| Accuracy | Class 1.0 for 5(80)A; Class 0.5 for 1.5(6)A |
| Operating range | 0.85Un ~ 1.15Un |
| Power consumption | ≤1W/8VA |



Solar System



We are dedicated to helping you shift to clean energy — our solar system kits are designed so anyone can easily jumpstart their journey to having a sustainable, solar power system. On-grid and hybrid options are available, so you can either keep your local electric connection or live off-the-grid at your choice. Whether residential, commercial, or industrial, we offer complete solar systems to meet your power needs at your specifications.



Battery Storage Solutions



Having batteries in your solar power system gives you more energy self-sufficiency, and helps you achieve your ROI. We offer different types of safe, reliable battery solutions to meet power storage needs depending on a variety of factors — the solar array size, on-grid or off-grid system, backup power requirements, and overnight energy consumption in kWh. Our batteries are modular and scalable to easily build your target load with each usable capacity. IP65 options are available for a weatherproof performance all year round.

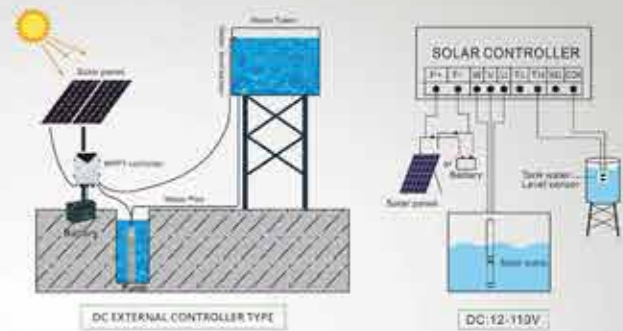
SOLAR PUMP

PROFESSIONAL SOLAR PUMP MANUFACTURER



DC SUBMERSIBLE PUMP

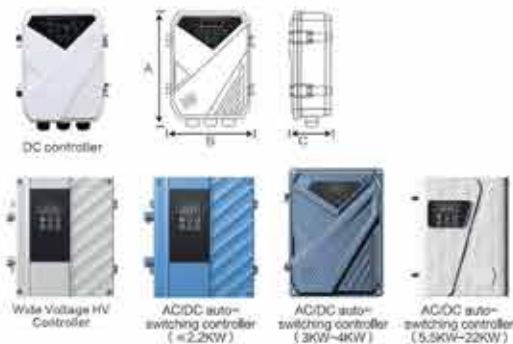
Environmental protection and energy saving



ADVANTAGE OF DC SOLAR PUMP

1. Permanent magnet DC brushless synchronous motor. The efficiency is improved by 15%-20%. Save energy.
2. Brass or stainless steel outer connector oil cylinder.
3. Japanese NSK bearing: prolong the working life.
4. Alloy mechanical seal: Longer working life and high reliability.
5. Motor coil is made by automatic winding machine with centralized winding technology, motor efficiency is much improved.
6. The pump parts are processed by high-precision and fully automatic machines, strictly controlling the dimension precision and smoothness.
7. Intelligent water shortage and full water protection.
8. DC Controller:
 - (1) Waterproof grade IP65
 - (2) MPPT function, the solar power utilization rate is higher.
 - (3) Automatic charging function
 - (4) LED displays the power, voltage, current, speed etc working condition and error code.
 - (5) Frequency conversion function: It can automatically run with frequency conversion according to the solar power, and user also can change the speed of pump manually.
 - (6) Automatically start and stop working.
 - (7) Water proof and leak-proof: Double seal effect.
 - (8) Soft start: No impulse current, protect the pump motor.
 - (9) High voltage/low voltage/Over-current/high temperature protection
 9. 3 years warranty.

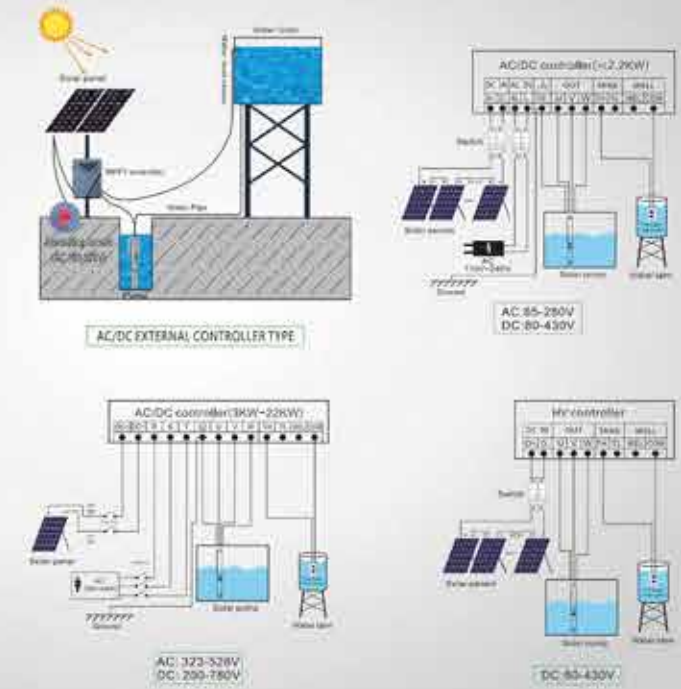
CONTROLLER



TECHNICAL DATA

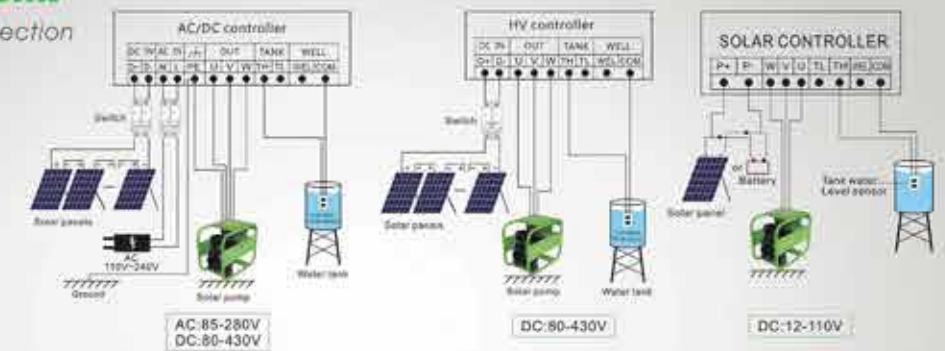
| Model | Dimensions (mm) | | | Weight(kg) |
|---|-----------------|------|-----|------------|
| | A | B | C | |
| DC controller | 23.8 | 18 | 9.5 | 1.5 |
| Wide voltage HV controller | 24.3 | 23.5 | 11 | 2.2 |
| AC/DC auto-switching controller (≤2.2KW) | 24.3 | 23.5 | 11 | 2.3 |
| AC/DC auto-switching controller (3KW-4KW) | 32 | 23 | 11 | 2.5 |

AC/DC HYBRID & WIDE VOLTAGE SUBMERSIBLE PUMP



SOLAR SURFACE PUMP

Environmental protection and energy saving



江苏博思维光电集团

博思维
光电集团

Corporate value

Serve every customer; achieve every employee

Corporate mission

Let the light of wisdom shine on every corner of the world

Corporate vision

Be a global leader in high-end intelligent lighting products

Brand concept

Create quality products of the times, achieve a hundred-year foundation

Corporate culture

Integrity, practicability, efficient, innovation

Brand positioning

International, high-end, smart

Talent concept

Take a lower as well as a higher post; choose the best talents

NUVOLT
LIGHTING

✉ info@nuvolt.co 🌐 nuvolt.co