

Hall 5 Booth - Z19

Bangkok Expo 2016



LED

ALL-IN-ONE SOLAR STREET LIGHT



SHANDONG WEISHI LIGHTING TECHNOLOGY CO.,LTD.

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Company profile

Shandong Weishi Lighting Technology Company Limited, was established in 2008 with capital investment of CNY ¥75 Million. It is located in Qingzhou City, Shandong Province, 230km away from Qingdao Port. Weishi has over 100 employees; offices and factory area of 50,000m². We are specialized in various outdoor LED lighting, including LED street lights, solar/wind LED lighting system, LED floodlights, landscape lighting and etc. We had accomplished ISO9001 and ISO14001 management certificates in 2010; and all of our products are produced complying with CE standards.



Enterprise Certifications



Enterprise Honors



All-in-One LED Solar Street Light



Product Introduction

All-in-one LED solar street light is a new generation solar street lighting which integrate all parts into one fixture to provide easy, flexible and convenient installation and application. The lamp design is smart and compact, adopts the highest standard components for the best performance, designed operation life is 5-10 years.

Product Features

LiFePo4 Lithium Battery

- ⊙ Advanced performance
- ⊙ Life cycle >2000 times, long operation life



High Brightness Light Source

- ⊙ US Bridgelux chips Light Source
- ⊙ Luminous output up to 130lm/W
- ⊙ CRI>70

Solar Panel

- ⊙ Monocrystalline solar panel
- ⊙ High charging efficiency



Product Features



IP 65 Motion Sensor

- ⊙ Greatly help for energy saving
- ⊙ Better outdoor protection
- ⊙ High shock and impact resistant



Indicator Light

- ⊙ Show the lamp's working condition
- ⊙ Can be easily seen underneath the lamp after installation



Solar System Controller

- ⊙ Chinese top brand with high reliability
- ⊙ IP67 waterproof
- ⊙ 96% high charging efficiency
- ⊙ Intellectual functions with multi time dimming



Upgraded Aluminum Frame

- ⊙ More heat conducting surface for an advanced heat management
- ⊙ Elegant design with great surface treatment



Stainless Steel 304 Switch

- ⊙ Save power during shipping and storage
- ⊙ IP65 rating for outdoor

Product Series

| Model No. | Light Source | Solar Panel | Battery | Dimension(mm) | Motionsensor |
|-----------|--------------|-------------|------------|---------------|--------------|
| WSS08 | 8W | 15W | 6Ah 12.8V | 480*305*90 | Yes |
| WSS12 | 12W | 18W | 8Ah 12.8V | | Yes |
| WSS15 | 15W | 30W | 10Ah 12.8V | 607*305*140 | Yes |
| WSS20 | 20W | 40W | 18Ah 12.8V | 900*305*140 | Yes |
| WSS25 | 25W | 50W | 21Ah 12.8V | 1130*305*140 | Yes |
| WSS30 | 30W | 60W | 24Ah 12.8V | | Yes |
| WSS40 | 40W | 60W | 30Ah 12.8V | | Yes |
| WSS50 | 50W | 70W | 36Ah 12.8V | 1360*365*140 | Yes |
| WSS60 | 60W | 80W | 42Ah 12.8V | | Yes |



Product Specifications

| LED Lamp Specifications | |
|-------------------------|---|
| Light Source | Bridgelux/Philips Lumileds LEDs |
| Light Source Efficiency | 120-130lm/W |
| CCT | White:6000-6500K Neutral White: 4000-4500K Warm White: 2900-3200K |
| Life Span | 50,000h |
| CRI | >70Ra |
| Beam Angle | 65°x120° |

| Solar Panel Specifications | |
|----------------------------|-------------------------|
| Type | Monocrystalline Silicon |
| Efficiency | 19-20% |
| Life Span | 25 years |

| Battery Specifications | |
|------------------------|-------------------------------|
| Type | Lithium Battery Pack(LiFePo4) |
| Voltage | 12.8V |
| Cycle Times | >2000 times |

| Working Mode | |
|---|--------------------------------|
| Charge Time | 7-10h(with efficient sunlight) |
| Working Time | Full Capacity: ≥10 hours |
| | Power Saving Mode: ≥20 hours |
| Movement Sensor | Yes, sensing distance: 6-12m |
| Light Sensor Function | Yes |
| Autonomy | 3-5 days |
| Working Time: The lamp automatically turn on after sunset, and off when sunrise. | |
| Default Working Mode: During working time, when there are movements detected, the lamp switches to 100% capacity, when movements gone, the lamp turns to 25% capacity to save power. | |
| Alternative Working Mode: during the working time, the first few hours on full capacity, the rest time on power saving mode; full capacity and power saving mode's working time can be adjusted based on customers' requirements. | |

| Environment Temperature | |
|-------------------------|--------------|
| Charge | 0°C - 45°C |
| Discharge | -20°C - 60°C |
| Storage | 0°C - 45°C |

| Fixture Information | |
|---------------------|----------|
| Main Materials | Aluminum |
| Protection Grade | IP65 |

| Packaging |
|---|
| 1pc/carton Cartons with 5mm thick cardboard and inner foam protection. All cartons are packed with cling wrap for humidity and rain protection. Heavy duty strapping tape and wooden tray are used for safe loading and unloading. Our professional packaging can withstand both harsh long distance road delivery and sea shipping. |

QC Process

- 1 — Production
- 2 — Lighting Test
Lighting for over 12hours at night to test the working condition of the light, battery, controller, indicator light and the sensor
- 3 — Charge Test
Charge the battery during the next day under sunlight and to check the working conditions of the indicator light and the solar panel
- 4 — Packaging
Carefully pack the lights with inner foam protection and international transportation standard carton boxes. Carton boxes are wrapped with plastic film and nylon binding tape for protection against humidity, water and press during shipping.

