



WEISHI LIGHTING



LED SOLAR STREET LIGHT PRODUCT CATALOGUE



WEISHI LIGHTING

SOLAR STREET LIGHT SYSTEM



SOLAR LED STREET LIGHT

160LMW LED SOLAR STREET LIGHT

- ▶ Top Quality Materials for a Long Life
- ▶ LiFePO4 Lithium Battery Maintenance Free Gel Battery
- ▶ Solar Wind City Grid Hybrid
- ▶ Intellectual Control PWM MPPT Controller
- ▶ High Standard Anti-Corrosion Steel Pole

[VIEW MORE →](#)



SOLAR STREET LIGHT SYSTEM



- *Reliable*
- *Sustainable*
- *Long Backup*
- *Maintenance Free*



LED Lamp



LED Lamp



Integrated Controller



Battery

LED SOLAR STREET LIGHT

- ✓ 160lm/w Super Bright CREE LEDs
- ✓ 125,000hrs Life
- ✓ IP66
- ✓ 5 Years Warranty



CONTROLLER

- ✓ 3 Type Options: PWM / MPPT / Internet of Things
- ✓ Intellectual Dimming Controller and Smart Control
- ✓ IP68 Waterproof and High Stability
- ✓ Multi Protection and Functions
- ✓ 3 Years Warranty



FOUNDATION CAGE

- ✓ High Thickness and Long Anchor Bolts
- ✓ Full Welding
- ✓ Thread Part Protected by Oil Grease
- ✓ High Strength Installation Nuts and Washers



SOLAR PANEL

- ✓ High Efficiency Grade A Monocrystalline Solar Cells
- ✓ High Thickness Aluminum Frame
- ✓ With MC4 Connectors and High Standard Cables
- ✓ 25 years Usage Life



BATTERY (OPTION 1)

- LITHIUM

- ✓ Grade A Lithium-iron(LiFePO4) Battery Pack with Leading Brand
- ✓ Wide Temperature Tolerance
- ✓ Full Range of Certification
- ✓ High Quality and High Stability
- ✓ 2000 Cycle Times
- ✓ 3 Years Warranty



POLE

- ✓ High Thickness Steel with Hot-dip Galvanization
- ✓ Fine Workmanship Smooth Power Coating
- ✓ High Thickness and High Wind Resistance
- ✓ Highly Anti-corrosion and Anti-sea salt



BATTERY (OPTION 2)

- GEL BATTERY

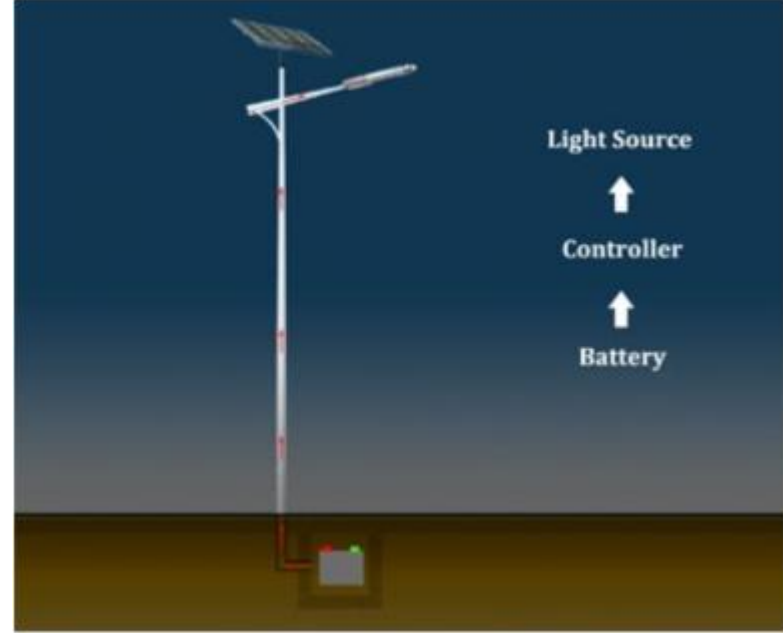
- ✓ Maintenance Free Gel Battery with Leading Brand
- ✓ Wide Temperature Tolerance
- ✓ Full Range of Certification
- ✓ High Quality and High Stability
- ✓ Deep Cycle and Long Life
- ✓ 3 Years Warranty



CHARGE AND DISCHARGE

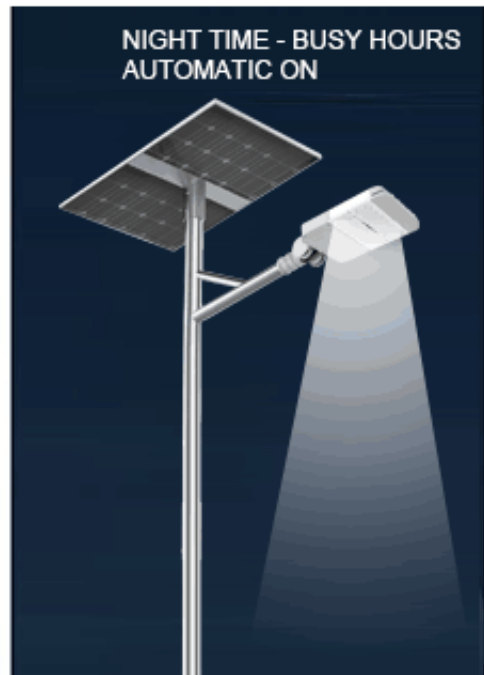


Solar panel charge the battery during the day



Battery supply power to the light during the night

WORKING MODE



NOTE: Working mode is optional and adjustable with remote



SYSTEM OPTIONS

INTEGRATED SOLAR STREET LIGHT



20W – 120W

Applications
Country Roads
Path
Gardens
Factory Yards



SMALL INTEGRATED SOLAR STREET LIGHT



10W - 20W

Applications
Farms
Yards



SOLAR STREET LIGHT SYSTEM



30W – 200W

Applications
Main Roads
Driveways
Highways
Secondary Roads



SOLAR WIND STREET LIGHT SYSTEM



30W – 200W

Applications
Sea-side Areas
Mountain Ranges
Strong Wind Areas





ALL IN ONE OR INDIVIDUAL SYSTEM?

INDIVIDUAL TYPE

ADVANTAGES

- Solar panel can target to the optimized direction for a higher charging efficiency.
- High capacity can be achieved due to unlimited battery and solar panel sizes, enabling a longer daily working hours and longer backup days.
- Higher thickness aluminum heat sinks provides lower working temperature and enabling a longer life of the LEDs.
- Separate parts enabling a easier future maintenance, replace and repair.

DISADVANTAGES

- Not as simple and easy for installation and transportation as the integrated type



INTEGRATED TYPE

ADVANTAGES

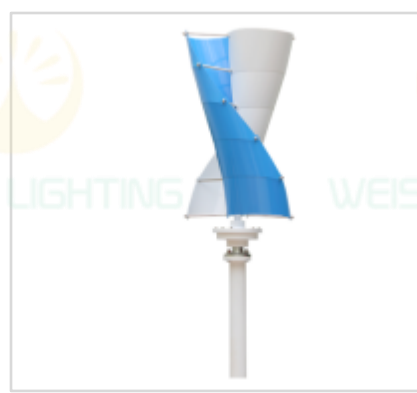
- Easy installation.
- Easy transportation.

DISADVANTAGES

- Solar panel less efficiency due to fixed target angle.
- lower battery capacity due to limited internal space, cannot provide high standard longer daily working hours and backup days compared to the separate system.



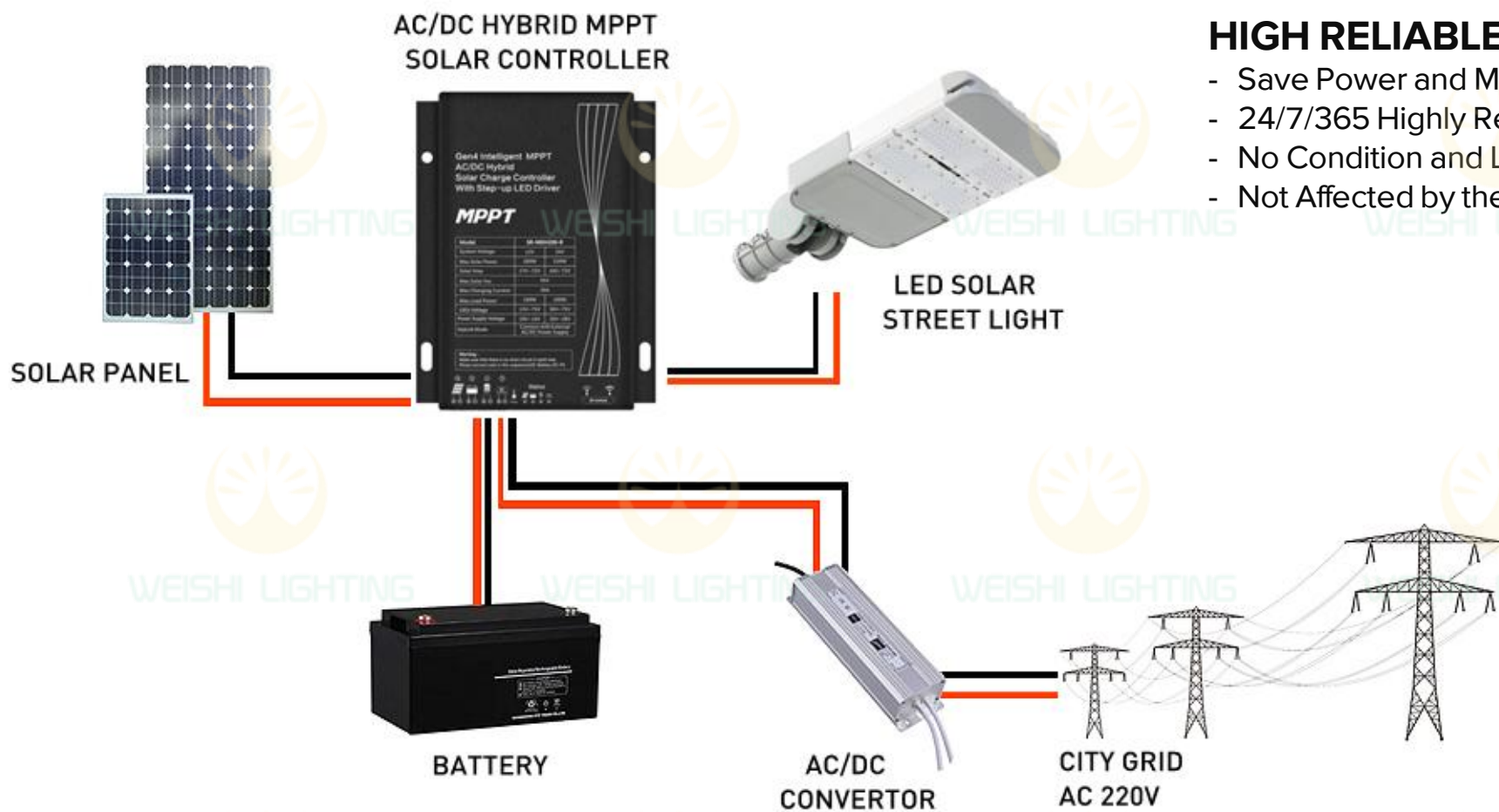
WIND AND SOLAR HYBRID SYSTEM



- Features:**
- 24/7/365 Charging (with wind)
 - Not affected by sunlight
 - Suitable for high wind speed areas such as sea-side, mountain tops and etc.

- Characteristics:**
- Power Range: 100W - 500W
 - Rated Voltage: 12V / 24V DC
 - Materials: Nylon fiber and die casting aluminum
 - Diameter: 1.35meters
 - Start up Speed: 2.0m/s
 - Rated Wind Speed: 13m/s
 - Safety Speed: 50m/s
 - Working Temperature: -40° C - 80° C
 - Working Humidity: 10% - 90%
 - Protection: IP65

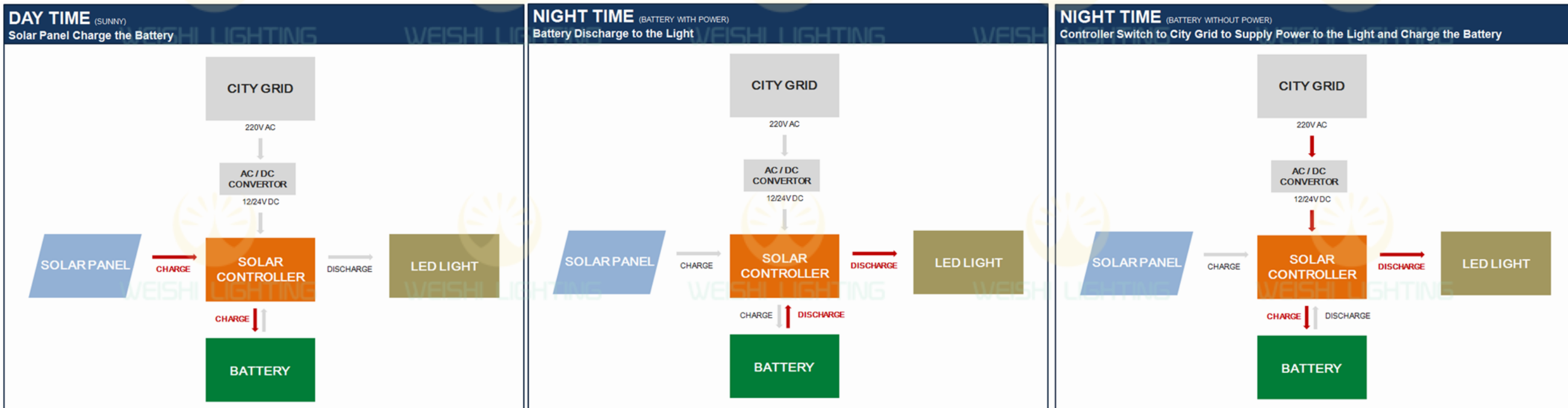
CITY GRID HYBRID SOLAR STREET LIGHT



HIGH RELIABLE SOLAR ROAD LIGHTING SOLUTION

- Save Power and Maintain System Stability
- 24/7/365 Highly Reliable Power Supply for Road Lighting Safety
- No Condition and Limitation of the Environments
- Not Affected by the Weather

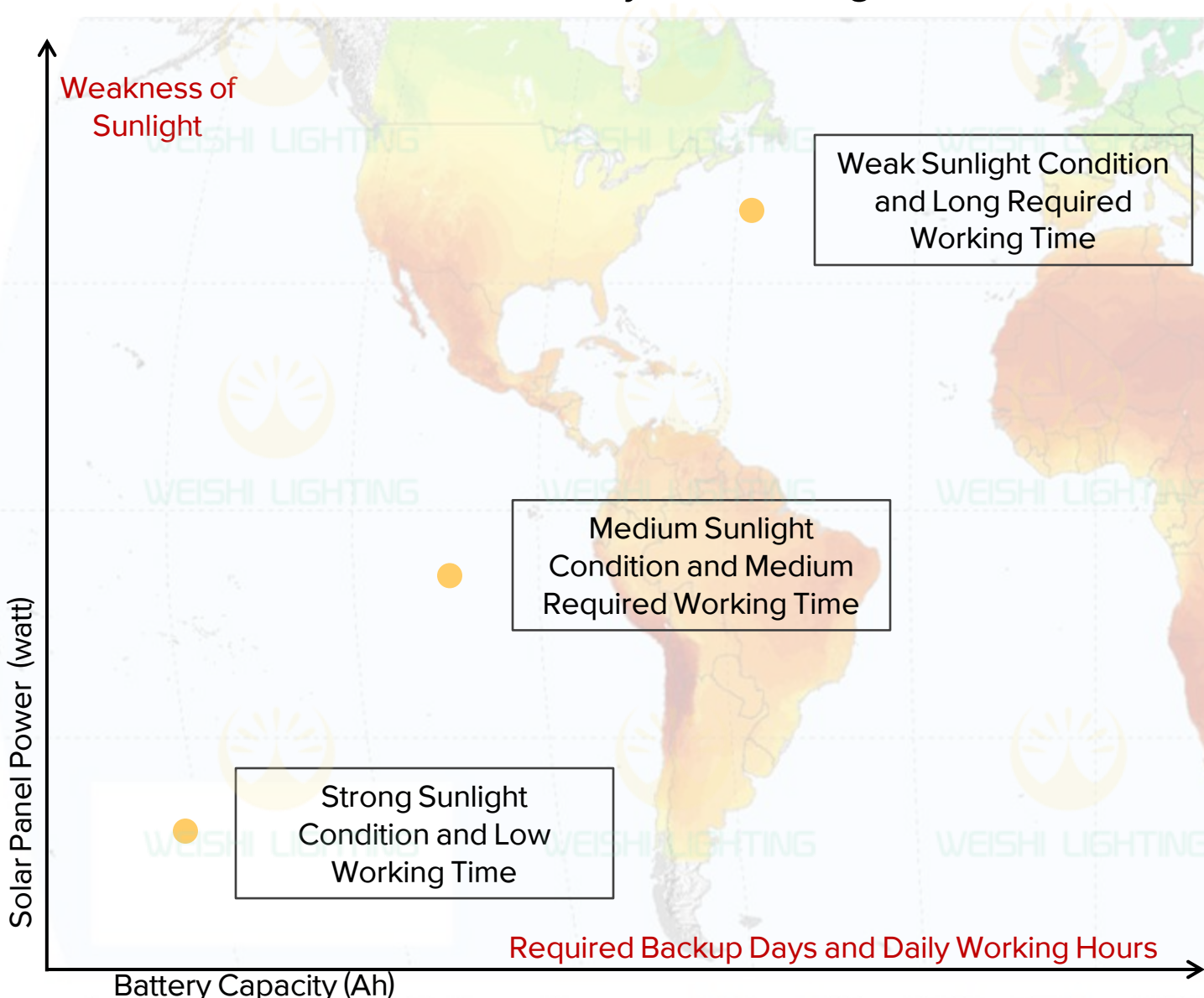
WORKING PRINCIPLE





BASICS OF SOLAR SYSTEM

What elements determine the system configuration?

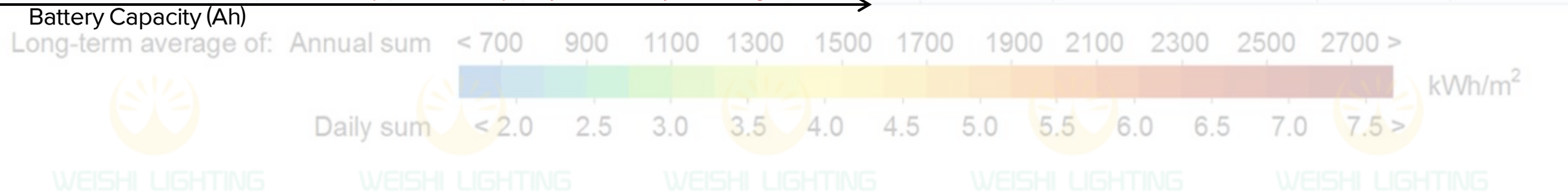


Why an Optimized System Matters?

Different location in the world have different peak sunlight hours.

The system configuration need to be calculated based on the installation area's sunlight condition, also considering the working requirement, in order to provide the most reliable and satisfactory system.

With a professional system calculation, it can guarantee the system to perform a satisfactory function. At the same time, the customized and balanced system can achieve a optimized investment payback and not to waste on unnecessary capacity.



SYSTEM CONFIGURATION REFERENCE

NO.	POLE HEIGHT	LAMP POWER	SYSTEM VOLTAGE	BACKUP DAYS	SOLAR PANEL	BATTERY (GEL)	BATTERY (LITHIUM)
1	4 meters	30W - 50W	12V DC	3 days	60W - 150W	80Ah - 180Ah	50Ah(12.8V) - 82Ah(12.8V)
2	5 meters	30W - 60W	12V DC	3 days	60W - 180W	80Ah - 200Ah	50Ah(12.8V) - 98Ah(12.8V)
3	6 meters	50W - 80W	12V / 24V DC	3 days	100W - 240W	120Ah - 300Ah	82Ah(12.8V) - 65Ah(25.6V)
4	7 meters	60W - 100W	12V / 24V DC	3 days	120W - 300W	150Ah - 360Ah	98Ah(12.8V) - 82Ah(25.6V)
5	8 meters	80W - 120W	24V DC	3 days	160W - 360W	200Ah - 400Ah	65Ah(25.6V)- 98Ah(25.6V)
6	10 meters	100W - 150W	24V DC	3 days	200W - 400W	240Ah - 500Ah	82Ah(25.6V)) - 122Ah(25.6V)
7	12 meters	100W - 200W	24V DC	3 days	200W - 600W	240Ah - 640Ah	82Ah(25.6V) - 163Ah(25.6V)

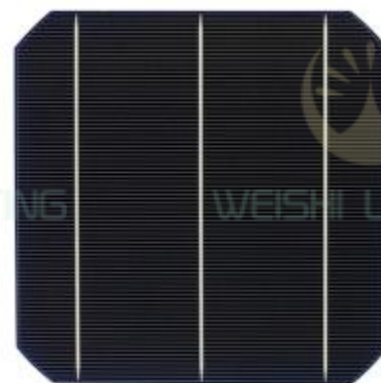
REMARKS :

- Solar panel capacity various depending on the installation place's sunlight condition.
- Battery capacity various depending on the required daily working hours and backup days.
- For system with lamp power higher than 60W, we recommend to use gel battery for a reasonable cost and balance of investment and fffpayback period
- Please communicate with us in advance with the project requirements for the most suitable system plan.

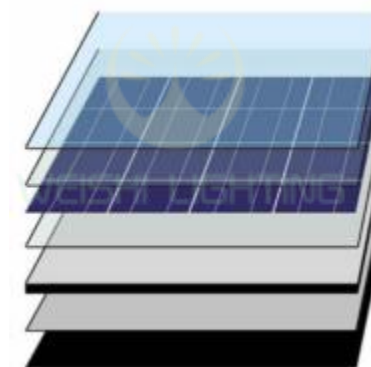
**WELCOME TO COMMUNICATE
WITH US FOR THE BEST SYSTEM CAPACITY FOR YOU**



POWER RANGE: 30W – 300W



Grade A and High Efficiency Solar Cells



High Transparence Photovoltaic Tempered Glasses



High Thickness Aluminum Frame



25 years Long Life Span

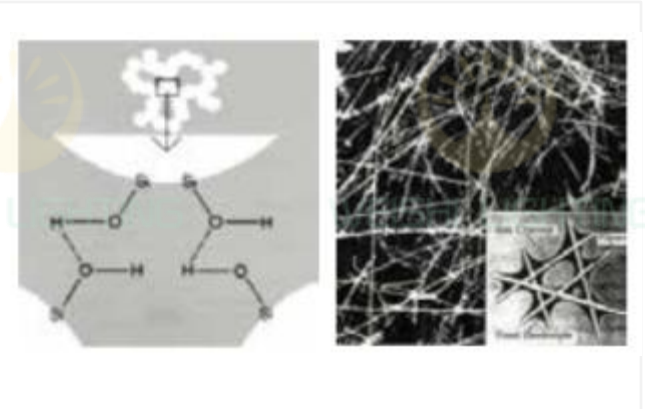


Wide Power Range 30w - 300w

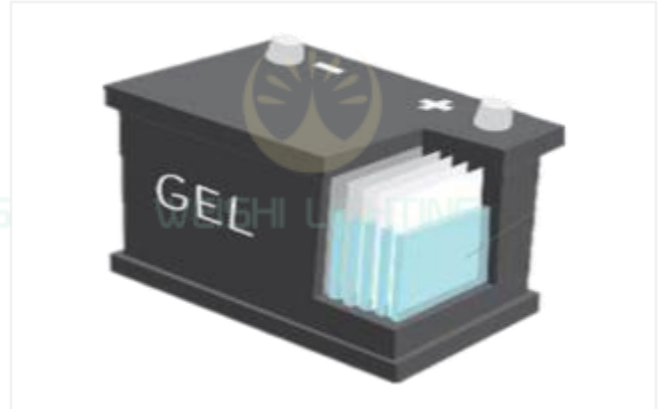


Automatic Production

CAPACITY RANGE: 50AH – 200AH



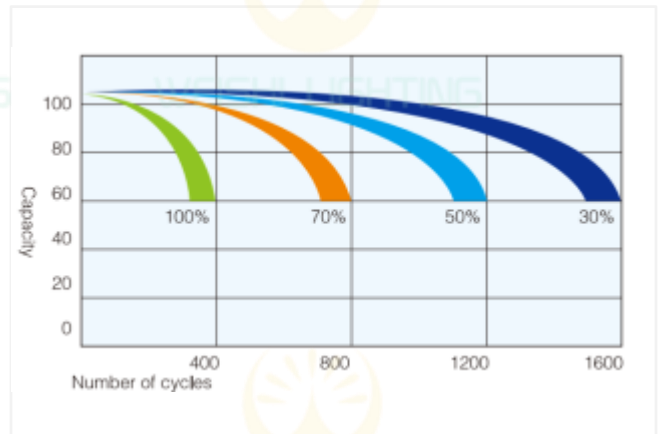
Polymer Epoxy Sealing Technology, Solid Sealing Characteristics



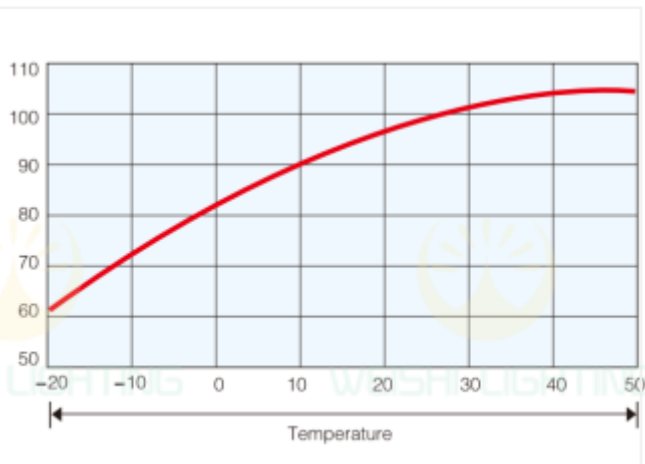
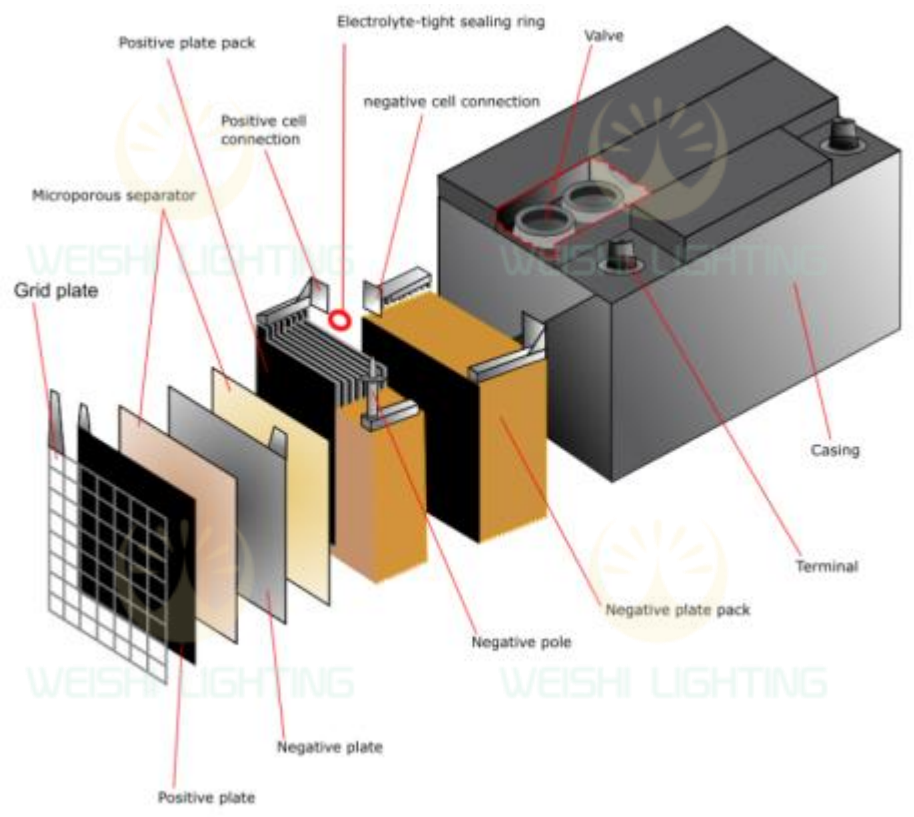
High Strength Baffle Place, High Absorption of AGM Separator



German Colloid for High Stability



Long Cycle Life



Wide Usage Temperature



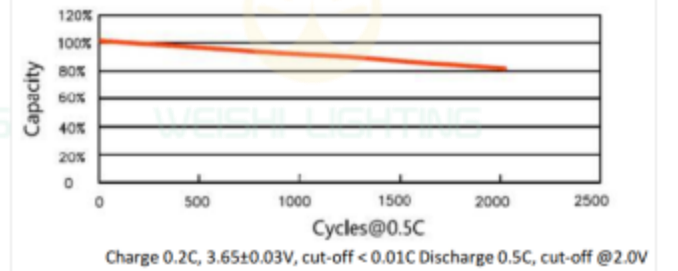
Professional Production System

CAPACITY RANGE: 5AH - 100AH



Grade A LiFePO4
Lithium Battery Cells

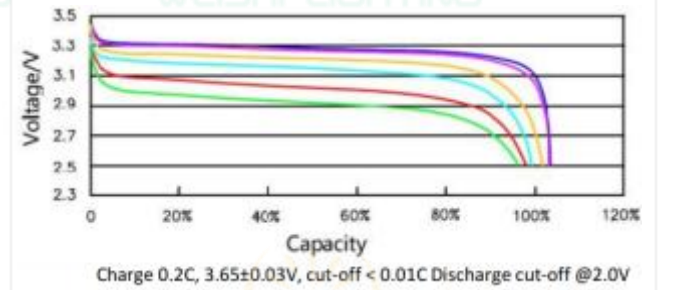
2000+ Cycle Times



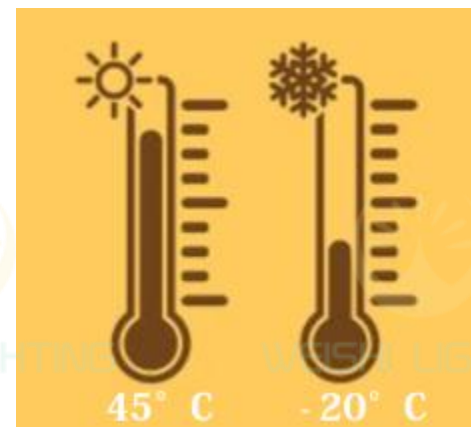
2000+ Cycle Times and Long Life



High Technology and High Reliability



Deep Discharge



Wide Usage Temperature



High Quality PCM



POWER RANGE: 15W – 200W



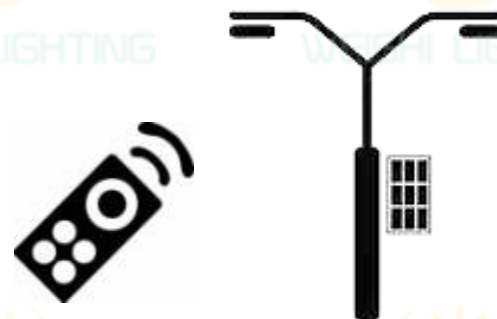
- ✓ LED Driver Built-in with Dimming
- ✓ Leading Brand and Long Life
- ✓ Intellectual Dimming & Time Phase Dimming
- ✓ IP67 Solid and High Reliability
- ✓ Multi- Protections
- ✓ PWM / MPPT/ City Grid Integrated / Intellectual Control and Real Time Management

90% HIGH EFFICIENCY

Intellectual LED Driver
Integrated PWM Controller



Intellectual Dimming
and Remote Setting



Data Reading and Setting Adjustable



Internet of Things Controller



City-grid Integrated Controller

- ✓ PV Short Circuit
- ✓ PV High Current
- ✓ Load Fault
- ✓ Over Power
- ✓ Overloads
- ✓ Over Charge and Discharge
- ✓ PV Module Reverse Polarity
- ✓ Battery Reverse Polarity
- ✓ High Temperature
- ✓ Trickle Charging



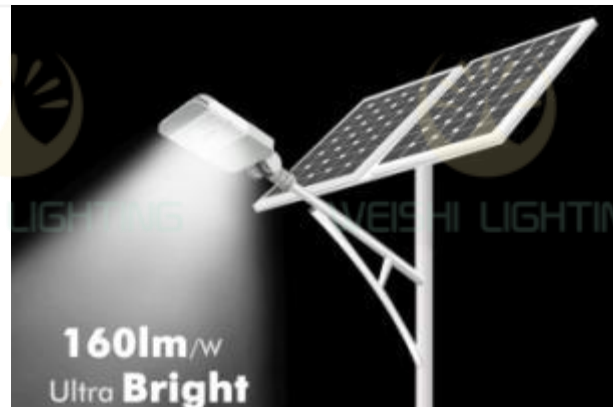
Multi Protections



WEISHI LIGHTING

LED SOLAR STREET LIGHT

POWER RANGE: 15W – 250W



160lm/W
Ultra **Bright**

160lm/W High Efficacy Design



Angle Adjustable for Optimized Beam Spread

2700K – 6500K
125000 hrs LED Life
Ra >75



>125000 hours LEDs and Wide CCT



50W – 250W



IP66

Aluminum with IP66 Protection

IK10



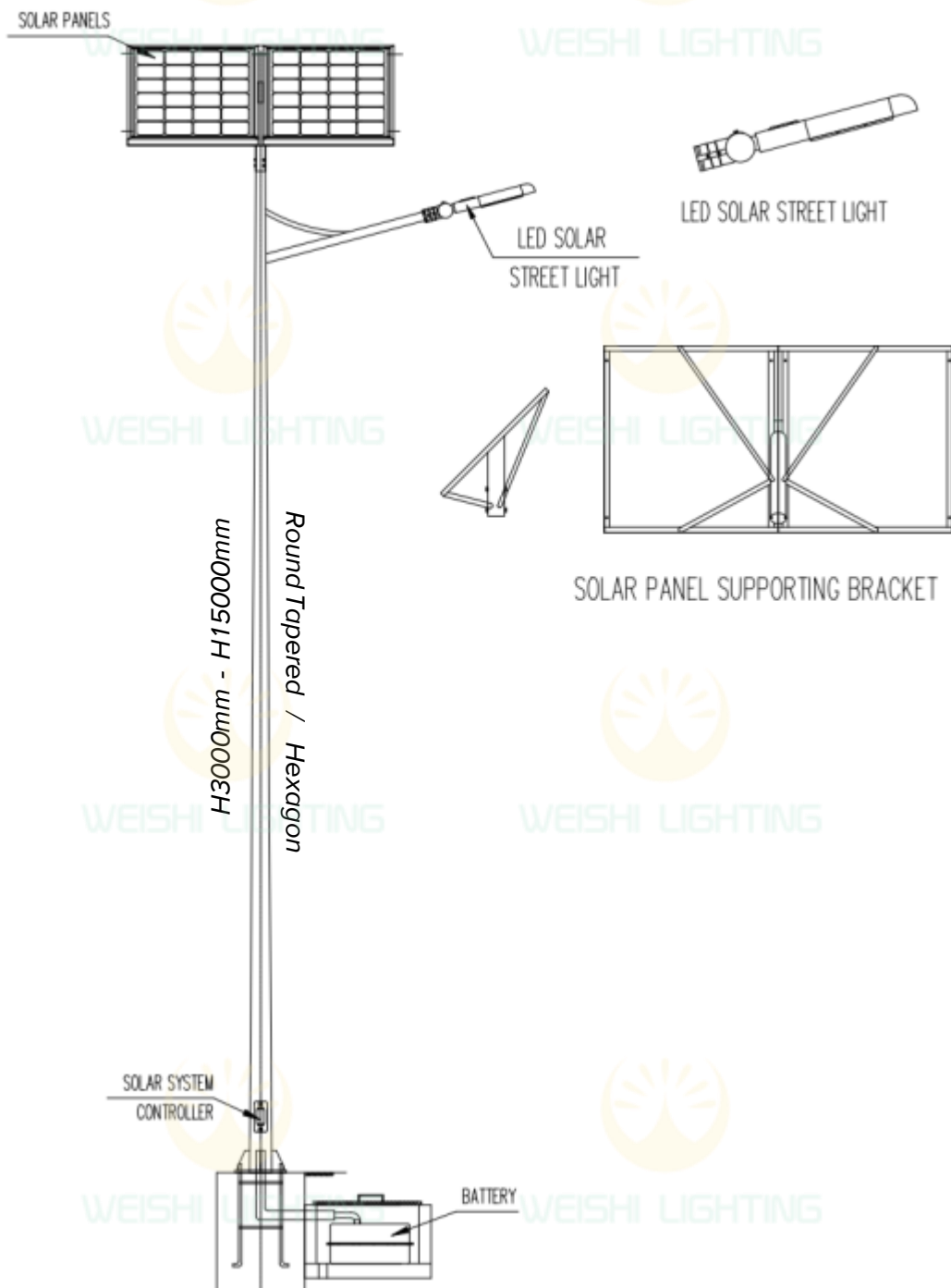
IK10 High Impact Resistance



WEISHI LIGHTING

POLE AND INSTALLATION KIT

HEIGHT: 3m – 15m



High Strength and High Thickness Q235 Steel

HOT-DIP GALVANIZATION



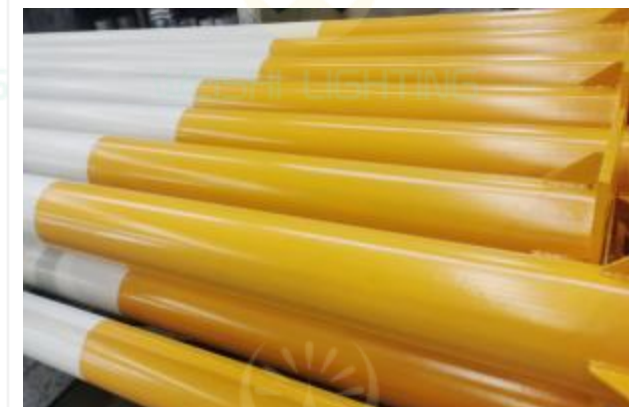
POWDER COATING



Professional Workmanship and Highly Anti-Corrosion Procedures



Automatic Full Welding and One-time Shaping



Fine Surface Treatment



High Standard Packaging



High Strength Anchor Bolt Foundation



High Standard
2*2.5mm² Copper Core Cable



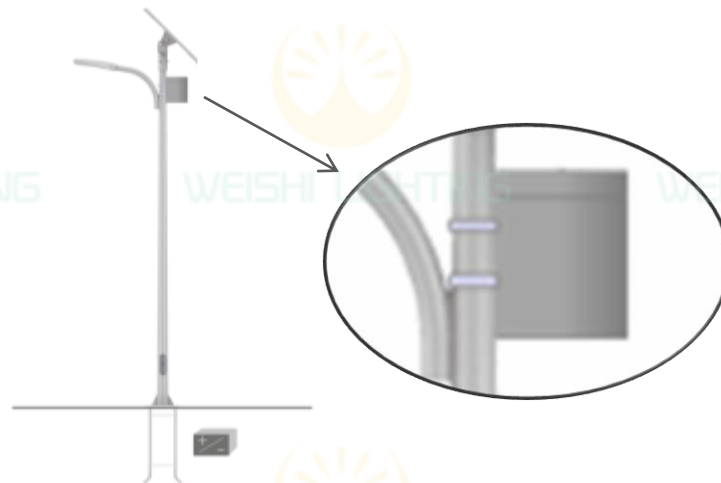
SS304 Fastening Pieces



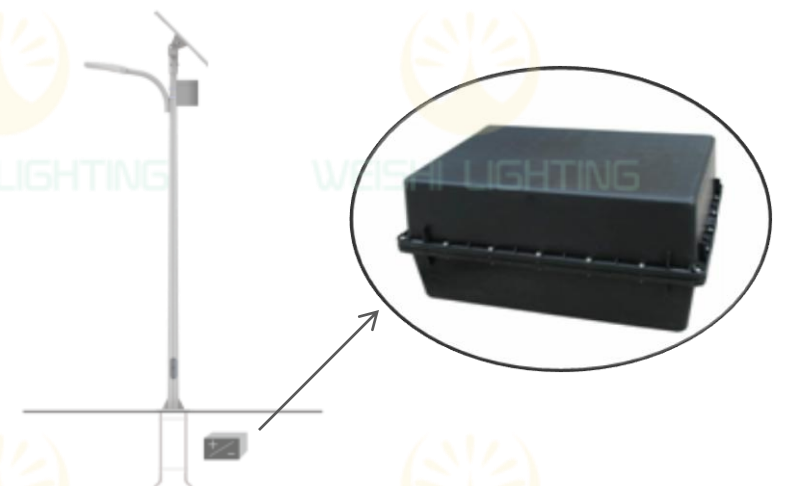
Remote Control to Read Data
and Make Setting Adjustment



High Quality MC4 Waterproof
Easy Installation Connectors



Steel Pole Top Container
with Air Ventilation



High Strength Inground
Waterproof Container



SOLAR PANEL

CHARTING CURRENT AND VOLTAGE TEST

VISUAL INSPECTION

BATTERY

DISCHARGE TO 60% FOR SHIPPING SAFETY

COMPLATELY DISCHARGE TO TEST THE CAPACITY

COMPLETELY CHARGE

COMPLETELY DISCHARGE

LED SOLAR STREET LIGHT

VISUAL INSPECTION

IP66 WATERPROOF TEST

COLOR TEMPERATURE AND CONSISTANCYTEST

LED TEST AND AGING TEST



NTC
TEST LAB

Declaration of Conformity

The following product has been tested by New Testing Certification Co., Ltd. with the listing standards and found in conformity with the EC Council Directive of 2004/108/EC. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant name & address : SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500

Manufacturer name & address : SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500



Description of Equipment : LED SOLAR STREET LIGHT

Model Name : WSS560, WSS550, WSS540, WSS530, WSS525, WSS520, WSS515, WSS512, WSS508

Trade mark : WEISHI (WEISHI)

Test Standards : EN 55015: 2013
EN 61547: 2009

Cert No./ Report No. : NTC150924E/ NTC150924E

New Testing Certification Co., Ltd
NTC Building, South No.127, Baimang Village, Xili Town, Nanshan District, Shenzhen, China
Tel: +86-755-26005505 Fax: +86-755-22677001 http://www.ntc-lab.com

NTC
TEST LAB

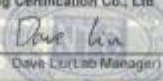
Declaration of Conformity

This product is in conformance with AS/NZS CISPR15, for Information Technology Equipment.


Trade Name: SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
Main Test Model: WSS560
Additional Model: WSS550, WSS540, WSS530, WSS525, WSS520, WSS515, WSS512, WSS508

Responsible Party: SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
Address: 1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500
Manufacturer: SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
Address: 1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500

EUT Certification Summary

Equipment Class: AS/NZS CISPR15
Product Type: LED SOLAR STREET LIGHT
Certificate NO.: NTC150924C
Issuance Date: 2015-9-14
Tested by: New Testing Certification Co., Ltd
Authorized Signature: 
Dave Liu (Lab Manager)

We, the responsible party,
SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
Declare that the product
LED SOLAR STREET LIGHT



was tested to conform to the above mentioned Australia/New Zealand Standard(s) It is only valid in connection with the test report number: NTC150924C.

New Testing Certification Co., Ltd
NTC Building, South No.127, Baimang Village, Xili Town, Nanshan District, Shenzhen, China
Tel: +86-755-26005505 Fax: +86-755-22677001 http://www.ntc-lab.com

NTC
TEST LAB

RoHS Verification of Conformity

Apply the certificate to applicant or his authorized representative in the European community

Applicant name & address : SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500

Manufacturer name & address : SHANDONG WEISHI LIGHTING TECHNOLOGY CO., LTD.
1299 North Haidai Rd, Qingzhou City, Shandong Province, China. 262500

Description of Equipment : LED SOLAR STREET LIGHT

Model Name : WSS560, WSS550, WSS540, WSS530, WSS525, WSS520, WSS515, WSS512, WSS508



Trade mark : WEISHI (WEISHI)

Cert No./ Report No. : NTC150924R/ NTC150924R

The product fulfills the requirements of the EUROPEAN DIRECTIVE 2011/65/EU

WEEE Classification: IV Consumer Equipment

General Remark: The test results apply only to the particular sample tested and to the specific tests carried out. This certificate applied specifically to the sample investigated in our test reference number only.

New Testing Certification Co., Ltd
NTC Building, South No.127, Baimang Village, Xili Town, Nanshan District, Shenzhen, China
Tel: +86-755-26005505 Fax: +86-755-22677001 http://www.ntc-lab.com

SINGLE ARM POLES



DOUBLE ARM POLES & WIND HYBRID & SOLAR GARDEN LIGHTS



WIND HYBRID SYSTEMS



SOLAR GARDEN SYSTEMS





HOW TO ORDER?

If you already have the project requirements



We provide our product offer accordingly

If you are not sure about the what system would be more suitable



Please provide us the prerequisite and requirements for us to provide suggestions for the most suitable system to use:

- **Installation Height and Lamp Brightness Requirements**
- **Which city and what kind of place to use**
- **The required daily working hours and backup days**



PRECAUTIONS

CAN'T WORK

Under Tall Buildings



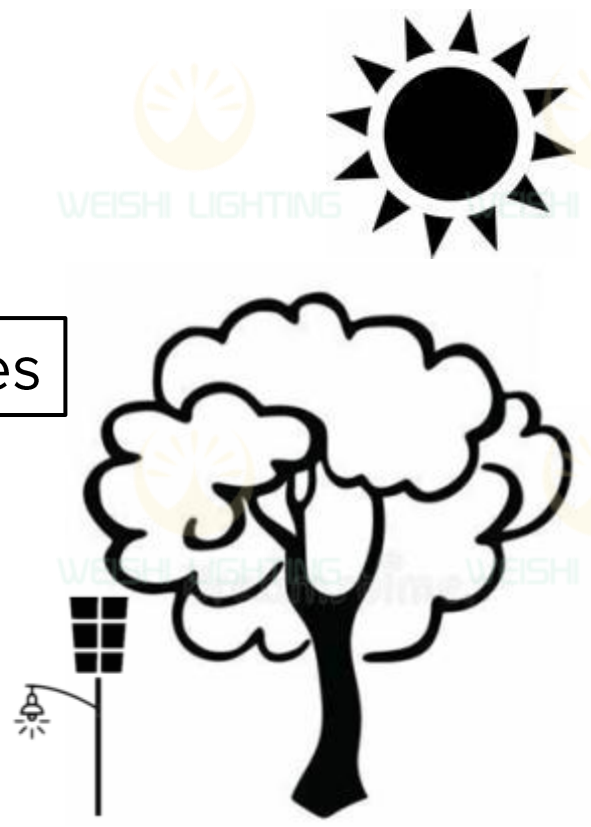
CAN'T WORK

Solar Panel Not Facing the Correct Direction



CAN'T WORK

Under Big Trees



CAN'T WORK

Areas always Gloomy





PACKAGING:

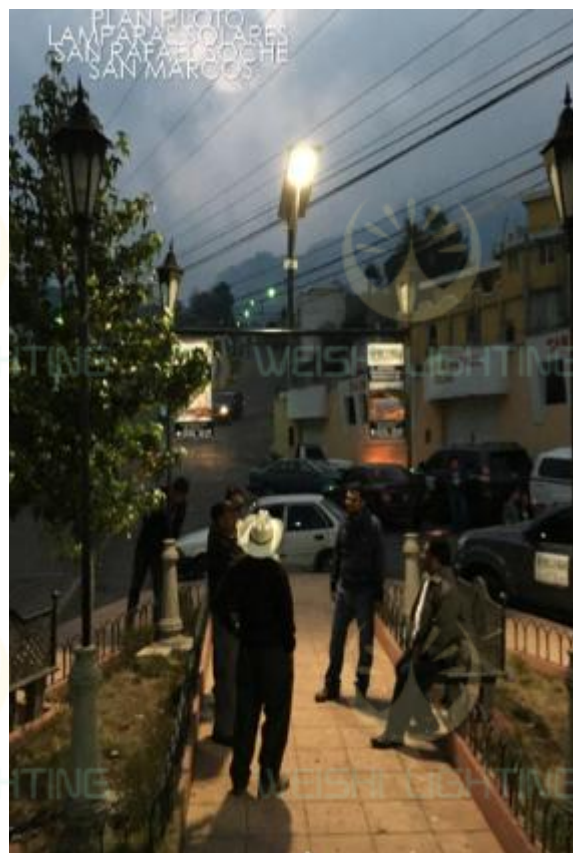
Samples: Carton packaging with foam and wooden bar protection.

Large Quantity: Composite Wooden Pallets + Wrapping Materials

We'll pack all items properly to guarantee a safe transpiration and withstand harsh handling.



PROJECT CASES





Q: What LED street lamp power to use?

A: It shall be determined considering pole height, road width, road type, pole distances, if you are not sure what is the most suitable lamp power, please provide us the information for our suggestions.

Q: What pole height to use?

A: It shall be determined considering the road type, road width, number of lanes, pole distances and position. if you are not sure what pole height is the most suitable, please provide us the information for our suggestions.

Q: What capacity of the solar panel and battery to use?

A: After determine the LED street light power, please provide us the installation area's peak sunlight hours and required working time, and backup days, we will provide an optimized system configuration for you.

Q: How does the system turn on and off automatically? Is there a light sensor?

A: The solar controller detect sunlight condition by voltage rise and drop of the solar panel. When it turns dark, the voltage drop to the lowest light on voltage, it will automatically turn on the lamp.

Q: Can I change the working hours and working capacity after installation?

A: The working mode and working hours can be adjusted by remote control after the installation, it can be remotely adjusted.

Q: Can the system still work when it's cloudy or rainy?

A: Yes, the system capacity we provide will at least have 2-3 days backup. Longer backup days can also be provided with larger battery.

Q: Maintenance

A: Normally there is no need for system maintenance. However, for areas extremely dusty, or if the solar panel covered by dust, heavy tree leaves, snow. It is better to get cleaned if necessaries for a good system function.

Q: What is the solution when there is issues and problems of the system?

A: Please provide us the details of the problems, it is better with photos and videos for use to easily determine the problem. We will try our best to help solving the issue **ASAP** for you.



WELCOME TO CONTACT WITH US

-  <http://www.wsled.com>
-  +86 536 3530066
-  sales@wsled.com
-  + 86 183 - 6365 - 3766

TALK WITH US INSTANTLY



WECHAT



WHATSAPP

