



ALL-IN-ONE
Cost Effective
Solar Street Lights Solutions

Here's What You Are Getting

In the next few moments we are going to give you the full offer for allinone solar street lights.

Some might say that it is a very long offer for just a simple industrial products like solar street lights.

Specifically we are going to give you a comprehensive information about the products. As per our company policy we want to be very clear and open and do not hide any matters like most of our competitors do. You will have all simplified and it will facilitate your decision.

Do you know that ALLINONE solar street lights seems all the same?

But indeed there is big difference between manufacturers and products.

Read carefully all our offer to understand why we are different from others.

Who we are and why you should listen to us

We are JINHUA SUNMASTER SOLAR TECHNOLOGY CO. LTD.

In case you have never heard about us, here's why we are qualified to tell you about solar street lights.

- We have strong R&D department including physical, thermology, photology, mechanics, electronics
- we have cooperation with Semiconductor Institute of Beijing University and LED Research Center of Zhejiang University
- we have more than 10 years experience
- we have ability to manufacture 100.000 solar light system per year
- we have our own workshop for LED lights, solar panels, steel structures.

But I am not writing you today to talk about ourselves.

We want to tell you about our allinone solar street lights.

What you find in our offer

We have recently updated our allinone solar street lights. We have put all our ten-year experience and knowledge to give you the most advanced and performing system.

This is a complete A-to-Z offer that gives you everything you need to know to buy the allinone solar street lights.

And here's just some of what you will discover inside

- Price
- Commercial conditions
- Packaging
- Warranty
- Benefits
- Installations
- Certifications
- and much more

The Most Engaging Allinone Solar Street Light Now Enhanced By The World's Most Powerful Features!



These are the main characteristics of our all-in-one solar street light series

- ✓ USA Bridgelux LED chip BXCD45x45
- ✓ Total LED chip luminous flux > 130 lm/W
- ✓ Light time controlled by infra-red sensor
- ✓ Viewing angle 120°
- ✓ Temperature colour: 2500 to 6000 K (warm, pure, cool white)
- ✓ Solar panel Sunpower high efficiency cells
- ✓ LiFePo4 12.8V life time >5 years
- ✓ Charging by sun in only 6-10 hours
- ✓ Lighting time adjustable 10-12h, 3 continuous rainy days
- ✓ Protection grade: IP65
- ✓ Working life > 50.000 hours

Relax!

SUNMASTER all in one solar street lights will let you sleep easy.

Do you know that SUNMASTER solar street lights have the most powerful features?

FEATURE #1

Automatically regulate the light output

SUNMASTER allinone solar street lights has a built-in passive infrared motion sensor that automatically regulates the LED light output from full brightness to a lower level depending upon the detection of movement around the light.

This fluctuation of lighting intensity preserves battery power and also serves to increase community security by deterring unsociable activity late at night and early in the morning where these lights are installed.

The system automatically detect when a person is in a range of 10-12 meters and put the light at full power. After a determined period of no-detection the system will enter in eco-mode dimming the light. When you make the order let us know your requirements, we will configure the system as per your needs.



FEATURE #2

You will get the brightest light available

In Sunmaster, as per our company policy, we will always use the best efficiency LED chip. We will never degrade because we are committed to providing our customers only the best quality of LED lighting system currently available in the market. We are always up-to-date with LED technology developments, so once more efficient LED chip comes out, we will use the upgraded

type and inform you of it promptly.

At present we are using COB chip BXCD45 (460-480mW) which is the best type in BXCD Bridgelux family. The efficiency of this LED chip is about 160-170 lm/watt.

If you consider the complete system the whole lamp efficiency will be more than 130 lm/watt.



FEATURE #3

Long working time

The working time is critical for every solar lighting system. Allinone, in particular, suffer of limited space for batteries. For this reason we are using

- new generation Lithium Ion batteries which offers 3 times more storage and power capacity versus traditional Lead Acid batteries. Lithium battery technology offers up to 4 times more discharge capacity over Lead Acid types and 3 times more cycle life.
- Built in power management controller to regulates the battery packs

30,000

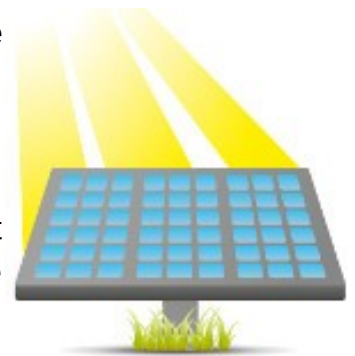
This is why we can ready up to **30 hours of continuous lighting**

FEATURE #4

Faster charging time

Due to limited surface space, we use only high-efficiency Monocrystalline cells. Our solar panels are the best performing cells on the market and can give up to 20% more charge current with respect to traditional silicon cells.

Charging time is critical for solar lightings and you deserve the best possible technology. Only in this way we can assure the proper charge of the batteries.



FEATURE #5

Built to last

We have designed the solar street lights to withstand the harshest and most extreme environments. From blistering heat to driving rain, hail and sub-zero temperatures. Whatever the environment is, SunMaster rugged construction is up for the challenge. All the internal components, as well the connectors, offer IP65 weather protection and the external components are built with marine grade aluminium and stainless steel fixings.



FEATURE #6

You can replace components easily

We are not using a closed system. If in future you need to replace any component we can provide you spare parts. But in the same time you can easily find them locally. You will not be forced to come to us. All the components are connected with plug and play connectors. It allows you to easily replace any components.



FEATURE #7

Compact volume and light weight design to saves freight and installation cost

The shape and design has been carefully studied to optimize all the construction. The outlook should be nice to be seen.

The construction is modular for an easy assemble and maintenance. All the materials are rust proof to be installed outside.

We have optimized the volume and used resistant and light materials to let you save freight cost and installation cost.








Price list

Smart Allinone Solar Light 1701

Outside the all in one solar street light, there is no any wire. You do not need to wire anything during installation.

This is why we have applied for patent for our design.

You can get all allinone solar street lights from 5 to 60 Watt

					
Item	SMLN-05W	SMLN-08W	SMLN-12W	SMLN-15W	SMLN-20W
Power (W)	5	8	12	15	20
Lumen (lm)	550-600	880-960	1320-1440	1650-1800	2200-2400
Solar panel (Wp)	12	15	20	30	50
LiFO4 battery (Ah)	4	6	9	12	18
Pole* height (m)	2,5-3	3-4	3-4	4-5	5-6
Pole* distance (m)	7-9	8-10	8-10	10-15	13-17
Product size (mm)	465x320x50	465x320x50	465x320x50	710x350x55	920x325x43
Product weight kg	5	5,5	6	8	12
Carton size (mm)	510x570x370	510x570x370	510x570x370	720x420x165	950x380x195
Qty/cnt	4	4	4	3	1
Gross weight cnt (kg)	21	24	25	25	12,5
Price sample (USD)	79	115	123	165	225
Price >20 pcs (USD)	68	108	112	144	205
Price >100 pcs (USD)	56	102	106	136	195

* Pole price is not included in the offer

					
Item	SMLN-25W	SMLN-30W	SMLN-40W	SMLN-50W	SMLN-60W
Power (W)	25	30	40	50	60
Lumen (lm)	2750-3000	3300-3600	4400-4800	5000-5500	6600-7200
Solar panel (Wp)	60	60	60	80	90
LiFO4 battery (Ah)	21	24	27	33	42
Pole* height (m)	6-7	6-7	6-7	7-8	7-8
Pole* distance (m)	18-20	18-20	18-20	20-25	20-25
Product size (mm)	1170x330x145	1170x330x145	1170x330x145	1200x450x145	1200x450x145
Product weight kg	17	17	19	22	23
Carton size (mm)	1200x410x230	1200x410x230	1200x410x230	1230x510x230	1230x510x230
Qty/cnt	1	1	1	1	1
Gross weight cnt (kg)	18	19	20	23	24
Price sample (USD)	265	280	298	350	400
Price >20 pcs (USD)	235	250	275	335	367
Price >100 pcs (USD)	225	240	265	315	355

* Pole price is not included in the offer

					
Item	SMLN-70W	SMLN-80W	SMLN-90W	SMLN-100W	SMLN-120W
Power (W)	70	80	90	100	120
Lumen (lm)	6600-7200	8000-9600	9900-10800	11000-12000	12500-13500
Solar panel (Wp)	100	110	120	130	130
LiFO4 battery (Ah)	48	52	54	60	66
Pole* height (m)	7-9	8-9	8-10	8-10	9-11
Pole* distance (m)	24-28	26-32	27-33	28-35	28-36
Product size (mm)	1200x450x145	1200x450x145	1595x450x430	1595x450x430	1595x450x430
Product weight kg	25	27	32	33	34
Carton size (mm)	1230x510x230	1640x490x120	1640x490x120	1640x490x120	1640x490x120
Qty/cnt	1	1	1	1	1
Gross weight cnt (kg)	26	28	33	34	36
Price sample (USD)	440	495	520	560	630
Price >20 pcs (USD)	405	470	490	520	580
Price >100 pcs (USD)	380	440	460	480	550

* Pole price is not included in the offer

Currency USD

Incoterms EXW Jinhua China

Delivery time 2-3 weeks after deposit receiving

Goods origin Made in China

Offer validity 1 month

Payment terms 100% T/T at the order

Together with the solar street lights you will get the premium customers extra bonuses

You will not only get the all in one solar street light, but you will be part of our premium customers.

Remember that if you place the order today ...

You get 3 years warranty program that covers all the functioning problems of our solar street lights

You get the video course to install solar street lights. They are 4 video lessons of one hour each in which we explain every aspect of solar street lights configuration and installation .. and much more – a \$ 499 value The course will be available in February 2016, once ready we will give you free of charge

You get direct import/export specialist taking care of your order and helping you in case of any problem with Forwarding or Customs

You get an open system product that allow you to replace in future the components taking them from your local market and you will not be forced to come to us. You can be sure that in long period you can easily do maintenance

You get an e-book about everything you should know about solar lighting. We have covered all the technical aspects and have been approved by hundreds of customers all over the world

You can choose the colour temperature of the lights. Cool, Natural or Warm white colour temperature available. We are not stockist. We are manufacturers. We can provide you what you are looking for.

Do you care about Warranty?

We know that when a solar light system is installed you must be relaxed that everything will work for long period.

What a headache if there are troubles. This is why we want to give you only the best component.

All our all in one LED lights have a minimum **3 years warranty**.

After warranty period, SunMaster will continue to provide free technology service,

however replacement spare parts, costs as well as delivery costs will have to be covered by customer.



The warranty does not include damage caused by irresistible natural forces, acts of war, misapplication, accident, neglect, any modification or unauthorized repairs.

On specific request, made during ordering, we can supply goods with 5 years warranty. The extra cost for the extension to 5 years warranty is about 10%.

Not only warranty You need certifications

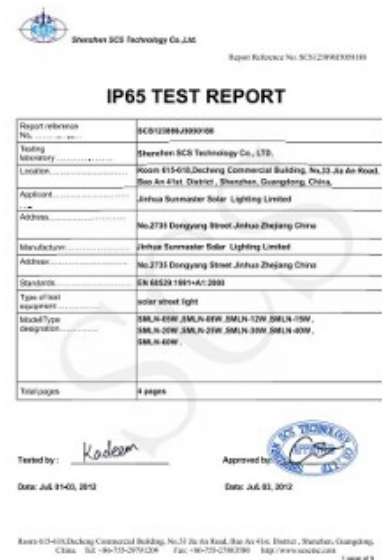
In most countries you need certifications to import the goods.

With no certifications the Customs can block the goods and not let them enter in your country. A company with a long experience in export, like **SUNMASTER**, is what you need to have smooth import without any unpleasant surprises.

ROHS

CE

IP 65



We kindly ask you to check certifications at our website
<http://solarlightsmanufacturer.com/certificates/>

Do you want the goods supplied by air cargo / courier?

We know that when the goods arrive at your final destination they must not be damaged. According to the way of delivery we provide different solutions.

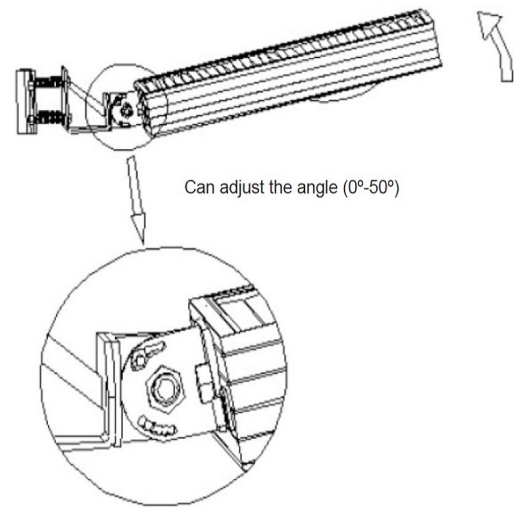
Normally all the goods are packaged in cardboard box to be protected to be shipped by full container. In case you require an air cargo or courier delivery we need to use plywood packing.

If the delivery is made by LCL (not full container) or air cargo an extra packaging is required to protect goods during handling. Unfortunately forwarding companies does not take care of the goods and treat them badly. In case of LCL delivery we will make a stronger packaging with an extra price that depends on the quantity of solar lights purchased. In case you will not require stronger packaging we will not take responsibility about bad handling of the goods.

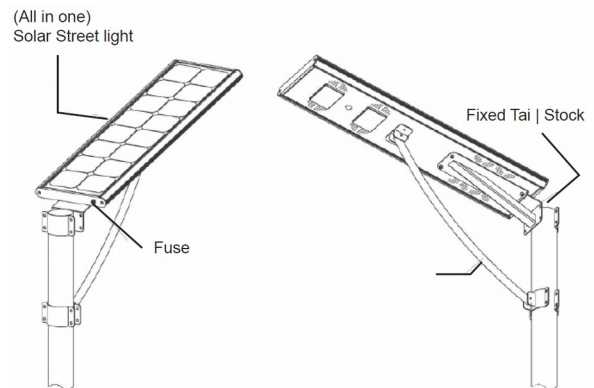
Contact us and we will let you know the additional cost for plywood packing

Extremely EASY installation. Everyone can install them without any problem

Make the solar panel face south while installing. Meanwhile, you can adjust the angel between the lamp head and level (as follows), you'd better reconcile the lamp head with local latitude.



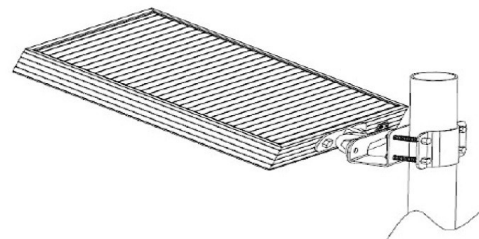
To place the light pole into the best spot with good day lighting. The light pole should be the length 4-6m, the thickness 2.0mm with material iron or steel, the diameter 50-90mm.



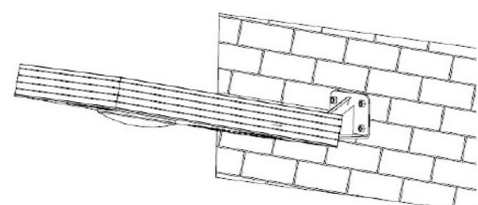
Unfold the knob of fuse (see below) and take out the insulating film if the fuse sockets, to check up if the fuse working right or not, and then tighten.

Place the lamp on the pole by its sleeve, special screw should be used and steady installation should be ensured.

The second installation method, as followed:



You can Install the allinone solar street light against a wall



Install fuse if present before use (remove any film under fuse)

Tool supplied to tighten security bolts provided

Face solar panel as much towards the north as possible to maximise sun exposure (and therefore battery charge)

NB: As with all solar products, performance is wholly dependent upon the hours of direct sunlight and the orientation of the solar panel.

Do you have any question?

Read what our customers ask us

In our more than 10 years experience we have discussed with many customers all over the world. Everybody has some questions or doubts that must be clarified before we make any order. This is why we want to share with you the main questions customers like you usually ask us.

How does the light know when to turn on and turn off?

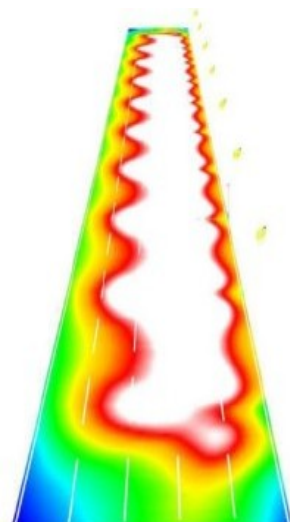
SunMaster's solar controller uses a photocell and/or timer to control when the light will turn on, when the sun goes down, and to turn off when the sun comes up. The photocell detects when the sun comes down and when the sun comes up again. SunMaster can make the lamp last anywhere from 8-14 hours, and this varies on the customer's needs. The solar controller utilizes an internal timer that is pre-set for a specific number of hours to determine when to switch the light off. If the solar controller is set to leave the light on until dawn, it determines when the sun rise (and when to switch the light off) by means of voltage readings from the solar panel array.

What happens if there are cloudy days?

Electrical energy is stored in the battery each day, and some of that energy is used to operate the light at night. Generally, we design your system so that the battery will operate the light for five nights without charging. This means that, even after a series of cloudy days, there will be plenty energy in the battery to power the light each night. Also, the solar panel will continue to charge the battery (although at a reduced rate) even when it is cloudy.

Can you make lighting design?

On request we can supply a detailed lighting design solution.



Can you make on site supervision?

We can supply you on-site supervision during assembling, erection and construction. SunMaster will send for engineer but the supervisory cost are not included in this offer.

What is LED efficiency?

Luminous efficiency (called also luminous efficacy) is a measure of how well a light source produces visible light. It is the ratio of luminous flux to power. There are 3 different type of efficiency you can consider in your LED street light.

- **LED chip efficiency**
- **LED bulb efficiency**
- **LED whole lamp efficiency**

For example, if we are using the COB chip BXCD45 (460-480mW) the efficiency of this LED chip is about 160-170 lm/watt;

When the chip is combined into the COB bulb, the efficiency of the whole bulb will be dropped a little approx 15% to 20% due to many factors like light beam angle, led chip assembling, silicon gel, power supply,

So the whole LED COB bulb efficiency is approx 130-140 lm/watt.

When the LED COB bulb is assembled into the lamp housing, the efficiency of the whole lamp will be dropped a little approx 6% to 10% due to secondary optical lens (for better beam angle), housing angle, etc. The final output efficiency will be 120-130 lm/watt. So these are different led efficiencies and you must be very clear to which one the supplier is referring to.

In Sunmaster, as per our company policy, we will **always use the best efficiency LED chip**, we will never degrade. You will always have the best quality available on the market. Once the more efficiency LED chip comes out, we will use the upgraded type and inform you promptly.

Which colour temperature should I choose?

You can find lot of literature in internet. Many people say different matters.

What we can tell you is that warm white has normally less lumen efficiency, but give you a warm light that somebody like a lot.

Most of our customers now are buying neutral white led lights 4000K.

Any other questions?

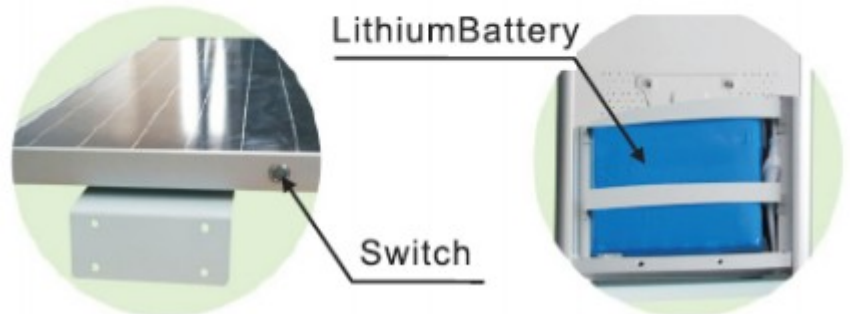
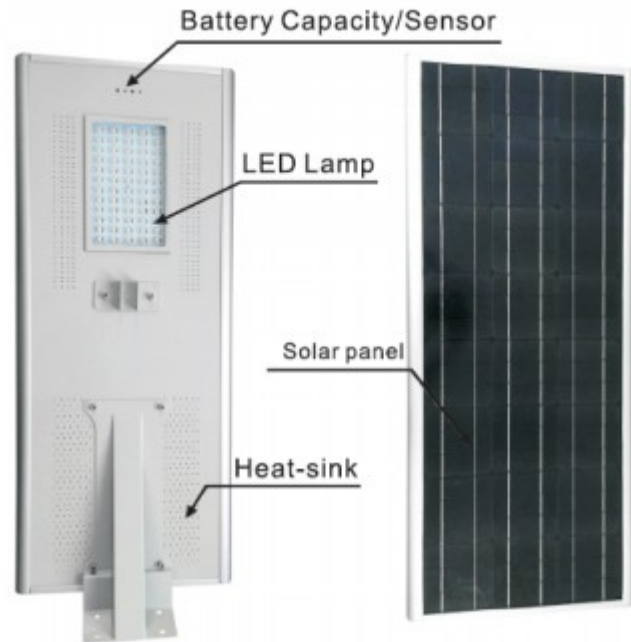
If you have any other questions do not hesitate to contact us. Our service, as well our product, is excellent. Let us know now anything you need, our staff will help you.

Give a last look at details

Do you have everything under control?

Check carefully any detail of the allinone solar street light

All-in-one solar courtyard light / Street light is an intelligent outdoor lighting system newly released by SunMaster. It combines high efficiency solar panel, controller, human infrared sensor module, high- capacity lithium battery and LED lighting into a compact housing. All-in-one captures the maximum source energy from sun during daytime and using this energy during the night for illumination.



**I Urge You. Let our
ALL-IN-ONE SOLAR STREET
LIGHTS
Help YOU in your installation
NOW!**

This is a crossroads moment in your life. Three paths lie before you:

- 1.** You can bury your head in the sand... continue ignoring our warnings and our offers and still be stuck in the same low quality low price products that will make your life troublesome, instead of freeing your time - FOREVER
- 2.** You can try to figure all this out your own, buy some components here and some other there ... how hard it is to figure out a system to be performing immediately and for long time ... and live with knowing you once had the chance to never say, "I wish I had known ..." but never took advantage of it
- 3.** OR you can TAKE CONTROL of your life and get the products we are offering from our experience ... proven to allow you to finally have a reliable solar lighting system

Frankly, only one of these choices makes any sense at all. Take advantage of our offer today! We want to help you install solid and long lasting solar lighting

Here's how to Order:

At Sunmaster we pride ourselves on offering you a responsive, competent and excellent service. Our customer are the most important part of our business, and we work tirelessly to ensure your complete satisfaction, now and for as long as you are a customer.

We are happy to inform you that we have assigned you a dedicated sales manager.

☐ **Name:** Mr. Marco Gatti

☎ **Phone:** +39 02.37.92.02.88

✉ **E-mail:** export@chinasunmaster.com



Price list

Smart Allinone Solar Light 1701

or leave us a message and we call you back.

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