

# ALL IN ONE SOLAR STREET LIGHT

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# All In One Street Light Overview

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## All In One Solar Street Light Description

The introduction of all in one solar street light.

All in one design, integrated light source, the new high-capacity lithium batteries, integrated solar modules and automatic controller, motion sensor.

Easy to install and maintain, without cables, without equipped with special poles, functional components of a modular design, installation, maintenance, more convenient and more quick.

All In One Solar Street Light Using solar power systems, pure green energy, inexhaustible, optimal energy for environment.

High-capacity lithium-ion batteries of the All In One Solar Street Light, high energy, long life, light weight, green environmental production, does not produce any harmful substances.

All In One Solar Street Light Using LED light source, no diffuse effect, with a high light efficiency, coupled with a unique secondary optical design, exposure to the wider region, to improve the efficiency of light once again. And the LED light source has a long life, high luminous efficiency, light color uniform and other advantages, also the best blue green products.

Shell of All In One Solar Street Light is made of aluminum material with light weight, corrosion resistance, abrasion resistance and other characteristics, to ensure that products meet moist, hydrochloric acid environment.

All In One Solar Street Light Control system uses industrial-grade components manufacturing, adapt to harsh environments, and ensure to bright all the night.

## All In One Solar Street Light Structure



# All In One Street Light Overview

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## All In One Solar Street Light Parts



## All In One Solar Street Light Working Model



# All In One Street Light Advantage

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## All In One Solar Street Light Advantage

### Solar Panel

With high efficiency  
Monocrystal silicon  
Solar panel transformity up to 22.5%



### LED Light

High efficiency Bridgelux LED  
Bat wing beam  
High lumen efficiency up to 130 lm/W

### Sensor

Adopt Panasonic PIR sensor  
Energy saving model according to humen motion  
can extend the working time

### LiFeP04 Battery


8 years super long lifespan, which can charge and  
discharge 1500 to 2000 cycles.


### Controller


Dimmable on time  
PIR dimmable  
Temperature Protection Control




# SPECIFICATION 6W 8W10W


Item 1	all in one integrated solar led street light 6W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 12W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 6W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 4Ah</li> <li>5.Install height:2-3M</li> <li>6.Lumen:720LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:326*241*60mm/395*345*120mm</li> <li>9.Net/Gross Weight:2.5/3KG</li> </ol>

Item 2	all in one integrated solar led street light 8W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 18W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 8W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 6Ah</li> <li>5.Install height:3-4M</li> <li>6.Lumen:960LM</li> <li>7.Charge time:6 hours Discharge time: Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:495*355*80mm/570*390*150mm</li> <li>9.Net/Gross Weight:5.5/6.3KG</li> </ol>

Item 3	all in one integrated solar led street light 10W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 20W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 10W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 8Ah</li> <li>5.Install height:3-4M</li> <li>6.Lumen:1200LM</li> <li>7.Charge time:6 hours Discharge time: Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:495*355*80mm/570*390*150mm</li> <li>9.Net/Gross Weight:5.5/6.3KG</li> </ol>

# SPECIFICATION 12W 15W 18W


Item 4	all in one integrated solar led street light 12W (PIR sensor mode)
Picture	Specification
	1.Material:Aluminum Alloy 2.Solar Panel:18V 20W (Monocrystalline silicon cell) 3.Led Lamp Power:Birdgelux 12W 4.Battery:Lithium LiFePO4 battery 12.8V 8Ah 5.Install height:3-4M 6.Lumen:1440LM 7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days 8.Product/Packing Size:495*355*80mm/570*390*150mm 9.Net/Gross Weight:5.5/6.3KG


Item 5	all in one integrated solar led street light 15W (PIR sensor mode)
Picture	Specification
	1.Material:Aluminum Alloy 2.Solar Panel:18V 30W (Monocrystalline silicon cell) 3.Led Lamp Power:Birdgelux 15W 4.Battery:Lithium LiFePO4 battery 12.8V 10Ah 5.Install height:4-5M 6.Lumen:1800LM 7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days 8.Product/Packing Size:740*305*140mm/810*390*220mm 9.Net/Gross Weight:7.8/9.5KG

Item 6	all in one integrated solar led street light 18W (PIR sensor mode)
Picture	Specification
	1.Material:Aluminum Alloy 2.Solar Panel:18V 35W (Monocrystalline silicon cell) 3.Led Lamp Power:Birdgelux 18W 4.Battery:Lithium LiFePO4 battery 12.8V 15Ah 5.Install height:5-6M 6.Lumen:2160LM 7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days 8.Product/Packing Size:740*305*140mm/810*390*220mm 9.Net/Gross Weight:7.8/9.5KG

# SPECIFICATION 20W 25W 30W

Item 7	all in one integrated solar led street light 20W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 40W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 20W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 18Ah</li> <li>5.Install height:5-6M</li> <li>6.Lumen:2400LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:940*305*140mm/1000*390*220mm</li> <li>9.Net/Gross Weight:10.5/12KG</li> </ol>

Item 8	all in one integrated solar led street light 25W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 45W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 25W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 18Ah</li> <li>5.Install height:6-7M</li> <li>6.Lumen:3000LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:940*305*140mm/1000*390*220mm</li> <li>9.Net/Gross Weight:10.5/12KG</li> </ol>

Item 9	all in one integrated solar led street light 30W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 60W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 30W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 21Ah</li> <li>5.Install height:6-7M</li> <li>6.Lumen:3600LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:1120*305*140mm/1180*390*220mm</li> <li>9.Net/Gross Weight:14.8/16.5KG</li> </ol>

# SPECIFICATION 40W 50W 60W

Item 10	all in one integrated solar led street light 40W (PIR sensor mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1. Material: Aluminum Alloy</li> <li>2. Solar Panel: 18V 60W (Monocrystalline silicon cell)</li> <li>3. Led Lamp Power: Birdgelux 40W</li> <li>4. Battery: Lithium LiFePO4 battery 12.8V 24Ah</li> <li>5. Install height: 6-7M</li> <li>6. Lumen: 4800LM</li> <li>7. Charge time: 6 hours Discharge time: Saving model: 4-6 rainy days</li> <li>8. Product/Packing Size: 1120*305*140mm/1180*390*220mm</li> <li>9. Net/Gross Weight: 14.8/16.5KG</li> </ol>
Item 11	all in one integrated solar led street light 50W (Timing mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1. Material: Aluminum Alloy</li> <li>2. Solar Panel: 18V 80W (Monocrystalline silicon cell)</li> <li>3. Led Lamp Power: Birdgelux 50W</li> <li>4. Battery: Lithium LiFePO4 battery 12.8V 36Ah</li> <li>5. Install height: 8-10M</li> <li>6. Lumen: 6000LM</li> <li>7. Charge time: 6 hours Discharge time: Saving model: 4-6 rainy days</li> <li>8. Product/Packing Size: 1120*440*140mm/1180*530*220mm</li> <li>9. Net/Gross Weight: 19.0/21.0KG</li> </ol>
Item 12	all in one integrated solar led street light 60W (Timing mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1. Material: Aluminum Alloy</li> <li>2. Solar Panel: 18V 90W (Monocrystalline silicon cell)</li> <li>3. Led Lamp Power: Birdgelux 60W</li> <li>4. Battery: Lithium LiFePO4 battery 12.8V 42Ah</li> <li>5. Install height: 8-10M</li> <li>6. Lumen: 7200LM</li> <li>7. Charge time: 6 hours Discharge time: Saving model: 4-6 rainy days</li> <li>8. Product/Packing Size: 1120*440*140mm/1180*530*220mm</li> <li>9. Net/Gross Weight: 19.0/21.0KG</li> </ol>



# SPECIFICATION 70W 80W

Item 13	all in one integrated solar led street light 70W (Timing mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 100W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 70W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 60Ah</li> <li>5.Install height:10-12M</li> <li>6.Lumen:8400LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:1330*540*150mm/1300*670*220mm</li> <li>9.Net/Gross Weight:29.8/30.8KG</li> </ol>
Item 14	all in one integrated solar led street light 80W (Timing mode)
Picture	Specification
	<ol style="list-style-type: none"> <li>1.Material:Aluminum Alloy</li> <li>2.Solar Panel:18V 110W (Monocrystalline silicon cell)</li> <li>3.Led Lamp Power:Birdgelux 80W</li> <li>4.Battery:Lithium LiFePO4 battery 12.8V 66Ah</li> <li>5.Install height:10-12M</li> <li>6.Lumen:9600LM</li> <li>7.Charge time:6 hours Discharge time:Saving model:4-6 rainy days</li> <li>8.Product/Packing Size:1330*540*150mm/1300*670*220mm</li> <li>9.Net/Gross Weight:29.8/30.8KG</li> </ol>

## PIR sensor working mode(6W-40W):

Keep 30% power lighting when nobody around,100% full power lighting when people coming.

## Timing working mode(50W-80W)

The first 3 hour: 100% full power lighting

The later 2 hours: 65% power lighting

The rest of a few hours: keep 30% power lighting

# PROJECT

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