

KPS GLOBAL TRADE

KPS GLOBAL TRADE conducts and finds suitable products to customer with effective cost in the lighting market as well as light design consulting. The company can be undertaker of work all maintenance duties for lighting facilities and conducts surveillance for the lighting system. In this specification, all in one Solar Street Light is a powerful LED solution which has solar panel integrated on top of module together with durable microwave sensor for dimmable functionality. Additionally, Installation requires without cable. Say goodbye to darkness in the evening and costly electricity bills. Our solar-powered LED lighting solutions harness the sun's energy to provide high-quality illumination for outdoor applications. This breakthrough technology delivers a convenient, sustainable way to light your space with minimal investment and maintenance.

LED

ALL-IN-ONE SOLAR STREET LIGHT



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



Solar Panel

- ⊙ Monocrystalline solar panel
- ⊙ High charging efficiency



High Brightness Light Source

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

Operation Mode: After power on all in one streetlight, 30% working as normal status apparently. If the microwave sensor detect any movement range (0-12m), the streetlight will perform 100% strong light as equal as maximum power output.

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
WSSS08	8W	15W	6Ah 12.8V	480*305*90	Yes
WSSS12	12W	18W	8Ah 12.8V		Yes
WSSS15	15W	30W	10Ah 12.8V	607*305*140	Yes
WSSS20	20W	40W	18Ah 12.8V	900*305*140	Yes
WSSS25	25W	50W	21Ah 12.8V	1130*305*140	Yes
WSSS30	30W	60W	24Ah 12.8V		Yes
WSSS40	40W	60W	30Ah 12.8V		Yes
WSSS50	50W	70W	36Ah 12.8V	1360*365*140	Yes
WSSS60	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.

