



**ALVINO**

Alvino Energy Solutions

# *Create a new space for Green Living*

Energy Saving/Environmental Protection

*Green energy benefit people!*



**INTEGRATED  
SOLAR PRODUCTS**

**ROOFTOP SOLAR ENGINEERING,  
PROCUREMENT AND CONSTRUCTION**

## INTEGRATED SOLAR STREET LIGHT



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### PRODUCT INTRODUCTION

Integrated Solar street light, it consists of high efficiency solar panels, long life lithium batteries, LED of high light effect, intelligent controller and human body infrared induction module and anti-theft installing support.



### PRODUCT FEATURES

01

Patent integration design, without cable, easy for installation. It is simple, fashionable, safe and convenient, economical and practical.

02

Using Aluminum ally as the main body material, with good rust and corrosion resistance.

03

MPPT Maximum power point tracking, the human body infrared sensor (range 10-15 meters), when someone comes, light works with full power, otherwise works low power, backup a longer lighting time.

04

Pure lithium batteries, low internal resistance, 18650 high capacity chip, suitable temperature range of -20°C, it can be used for a longer time.

05

Waterproof structure, safe and reliable.

06

Solar charging, LED light source, intelligent light control. The dark night automatically turn on the lights, automatically turn off the lights during the day dawn.

### DETAILS SHOW

High-efficiency  
monocrystalline  
silicon solar array

Pure ternary lithium  
batteries, low internal  
resistance, long life

One key for  
waterproof switch

Independent  
R&D of  
intelligent  
controller

Sanan 5730 LED chip  
of high light and long life

Human body  
infrared sensor  
module


### APPLICABLE ENVIRONMENT

Installed in various traffic roads, auxiliary roads, residential roads, rural roads, gardens, parks, parking lots, farms and other places where it is not easy wiring.

# INTEGRATED SOLAR STREET LIGHT 5W




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Model	KKS-YT5	
Product Image		
LED Light	Max Power	3.7V 5W
	LED Chip	Sannan 2835
	Lumen (LM)	380
	Life Time	50000 hrs
Solar Panel	Max Power	6W
	Solar Cell	High Efficiency Monocrystalline
	Life Time	25 years
Battery	Capacity	6.6 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6-8 hrs
Work Temp	Range (°C)	From -20 degree to + 60 degree
Height	Range (°C)	3m
Spacing	Range (°C)	4-6m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	330x175x80
	Product Weight	1.35KG
	Carton Size (mm)	360x230x100
	GW. For carton	1.8KG

# INTEGRATED SOLAR STREET LIGHT 10W



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Model	KKS-YT10	
Product Image		
LED Light	Max Power	12V 10W
	LED Chip	Sannan 2835
	Lumen (LM)	800
	Life Time	50000 hrs
Solar Panel	Max Power	15W
	Solar Cell	High Efficiency Monocrystalline
	Life Time	25 years
Battery	Capacity	4.4 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6-8 hrs
Work Temp	Range (°C)	From -20 degree to + 60 degree
Height	Range (°C)	3-6m
Spacing	Range (°C)	6-8m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	410x250x80
	Product Weight	2.3KG
	Carton Size (mm)	460x280x100
	GW. For carton	2.9KG



# INTEGRATED SOLAR STREET LIGHT 20W




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Model	KKS-YT20	
Product Image		
LED Light	Max Power	12V 20W
	LED Chip	Sanan 5730
	Lumen (LM)	1400
	Life Time	50000 hrs
Solar Panel	Max Power	28W
	Solar Cell	High Efficiency Monocrystalline
	Life Time	25 years
Battery	Capacity	8.8 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6-8 hrs
Work Temp	Range (°C)	From -20 degree to + 60 degree
Height	Range (°C)	3-7m
Spacing	Range (°C)	8-10m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	530x400x45
	Product Weight	5.6KG
	Carton Size (mm)	660x460x130
	GW. For carton	6.5KG

# INTEGRATED SOLAR STREET LIGHT 30W



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Model	KKS-YT30	
Product Image		
LED Light	Max Power	12V 30W
	LED Chip	Sanan 5730
	Lumen (LM)	2100
	Life Time	50000 hrs
Solar Panel	Max Power	40W
	Solar Cell	High Efficiency Monocrystalline
	Life Time	25 years
Battery	Capacity	13.2 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6-8 hrs
Work Temp	Range (°C)	From -20 degree to +60 degree
Height	Range (°C)	6-8m
Spacing	Range (°C)	10-15m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	655x400x45
	Product Weight	6.6KG
	Carton Size (mm)	800x480x130
	GW. For carton	7.8KG

INTEGRATED SOLAR  
STREET LIGHT 40W




Model	KKS-YT40	
Product Image		
LED Light	Max Power	12V 30W
	LED Chip	Sanan 5730
	Lumen (LM)	3200LM
	Life Time	50000 hrs
Solar Panel	Max Power	50W
	Solar Cell	High Efficiency Monocrystalline Silicon
	Life Time	25 years
Battery	Capacity	13.2 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6 - 8 hrs
Work Temp	Range (°C)	From -20 degree to + 60 degree
Height	Range (°C)	6-8m
Spacing	Range (°C)	10-15m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	800*450*45mm
	Product Weight	8.5KG
	Carton Size (mm)	800x480x130
	GW. For carton	9.8KG

# INTEGRATED SOLAR STREET LIGHT 60W



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Model	KKS-YT60	
Product Image		
LED Light	Max Power	12V 60W
	LED Chip	Bridgelux 45ML
	Lumen (LM)	3800
	Life Time	50000 hrs
Solar Panel	Max Power	80W
	Solar Cell	High Efficiency Monocrystalline
	Life Time	25 years
Battery	Capacity	26.4 AH
	Type	Lithium-ion
	Life Time	5 years
Charging	By Sun	6-8 hrs
Work Temp	Range (°C)	From -20 degree to + 60 degree
Height	Range (°C)	7-10m
Spacing	Range (°C)	10-15m
Working Mode	Customized available	Light on at dusk, light off at dawn auto. PIR motion sensor detection
Working Time	Rainy 2 days	
Material	Aluminium Alloy	
Certificate	IP65, CE, RoHS	
Warranty	2 years	
Packaging and Weight	Product Size (mm)	1240x400x45
	Product Weight	15.5KG
	Carton Size (mm)	1400x480x220
	GW. For carton	18KG



# INTEGRATED GARDEN SOLAR LIGHTS



## WATTAGE

Solar Panel - 3W

LED bulb - 2W

## LIGHTING AREA

3-5 Square Meters

## VOLTAGE

6V

## BATTERY CAPACITY

4400 mAh

## POWER SOURCE

Solar

## LIGHT SOURCE

LED Bulbs

## MATERIAL

Aluminium Iron/

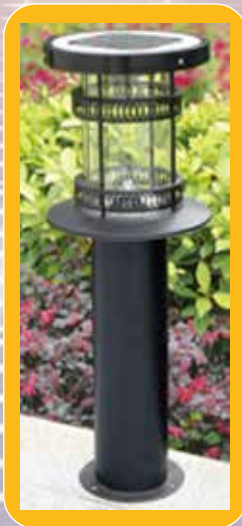
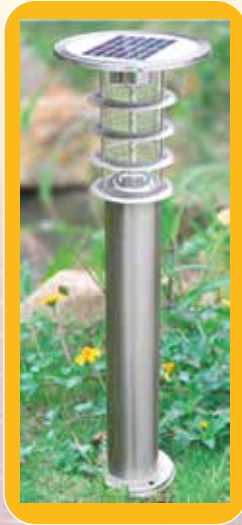
Stainless Steel

## WORKING

Dusk to Dawn

## WARRANTY

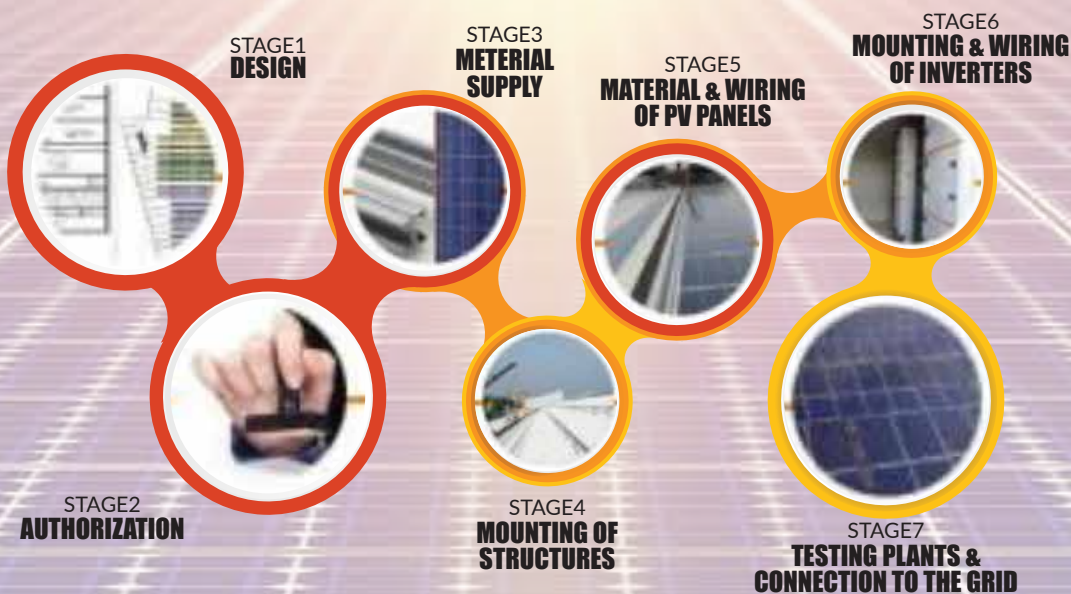
1 year



# Turnkey Rooftop Solar EPC (Engineering, Procurement and Construction) Solutions



On Evaluation of Factors like Functionality, Usability and Viability we offer a Turnkey Rooftop Solar EPC Solution that delivers Maximum Benefits by Optimizing the Inputs.



## POLYCRYSTALLINE SOLAR MODULE

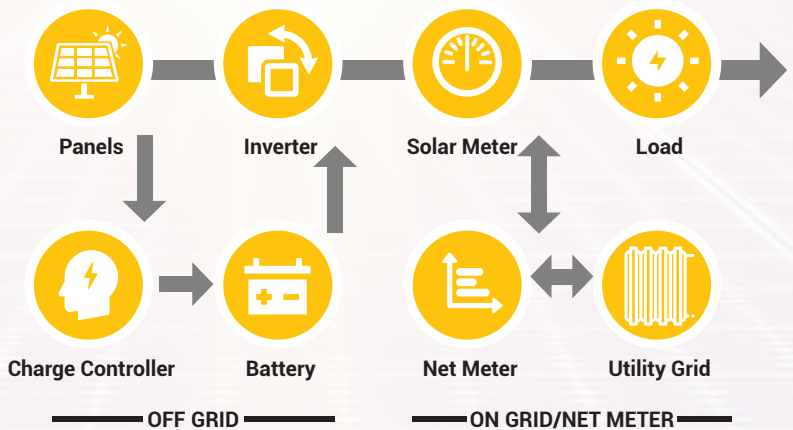
Some of the salient features of our Modules:

- High Power Output
- Low light Performance
- Severe Weather Resistance
- Improved Temperature Coefficient
- 5 Year Product and 25 Years Linear Power Guarantee
- Anti - Potentially Induced Degradation (PID) Guarantee





## HOW IT WORKS



## BENEFITS

- **Renewable** – Reduces use and Dependence on Fossil Fuels to generate Power by harnessing the Sun
- **Reliable** – Available Uninterrupted with no Down Time ensuring Magnified Savings over a Long Period
- **Longevity** – Life of a Solar PV System is 25 years with Negligible Maintenance Cost
- **Clean** – Doesn't produce Air Pollutants or Carbon Dioxide or any Effluents
- **Savings** – Cost of Solar Power is approximately Rs. 3 – 4/ Unit as against Rs. 10 – 12/Unit of Grid Power
- **Sustainability** – Hedge against inflation and Power Tariff Rise as Solar System Price is a One Off Cost
- **Incentives** – Government Incentives like 30% MNRE Subsidy, Accelerated Depreciation, Tax Holiday etc





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