adisun®
INFINITE ENERGY

INTEGRATED SOLAR STREET LIGHT.

MSME
Govt. of India MNRE APPROVED CHANNEL PARTNER
MSDE INDIA
ISO 9001:2015 CERTIFIED

PRODUCT DESCRIPTION.

SOLAR STREET LIGHT :

solar street light It's easy to install and suitable for residential street, garden, parking lots, playground and as security lighting and landscape lighting, Solar energy is very cost effective compared to the trenching and cabling required for conventional area lighting.

HIGH LIGHT LED CHIP :

1. Uniform luminescence, large area bright output, bright lighting. LED chip is a semiconductor chip that emits light and is not easy to be broken.
2. It is made of highlight LED chip, which does not contain ultraviolet ray and infrared ray, and does not generate radiation to protect human health.
3. Large areas of luminescence, up to 5,000 hours of life.

POLYCRYSTALLINE SOLAR PANELS :

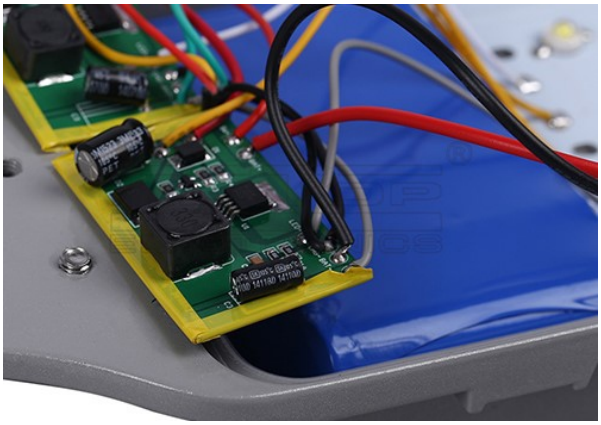
1. High conversion thermal solar panels.
2. Automatic charging,rainy days can be a good charge, long life.

DIE-CAST ALUMINIUM :

1. The product quality is good.
2. The production efficiency is high.
3. It is in compliance with RoHS environmental protection standards,and has a good metal texture.

WATERPROOF DESIGN :

1. Power cord interface.
2. The upgraded version is of high-quality waterproof, anti-leakage, anti-explosion and sun-proof power cord, with long service life



LITHIUM FERRO PHOSPHATE BATTERY :

1. Lithium Ferro Phosphate (LiFePo4) battery
2. Green and environmental protection: no toxic heavy metal substances such as lead, mercury and cadmium are produced.
3. Standard charge 6-8 hours, recyclable, long life, no expansion, no deformation, no explosion, high safety performance.

APPLICATIONS :

Solar street lighting, solar roadway lighting, solar pathway lighting, solar ramp lighting, solar Sidewalk Lighting, Private Road Lighting, Farm & Ranch Lighting, Wildlife Area Lighting, Perimeter Security Lighting, Park Lighting, Gate Lighting, Yard Lighting, Fence Lighting, Campus Lighting, Boat Dock Lighting, Remote Area Lighting, Military Base Lighting, Jogging and Bike Path Lighting.

Semi-Integrated Solar LED Street-lights (9W-40W)

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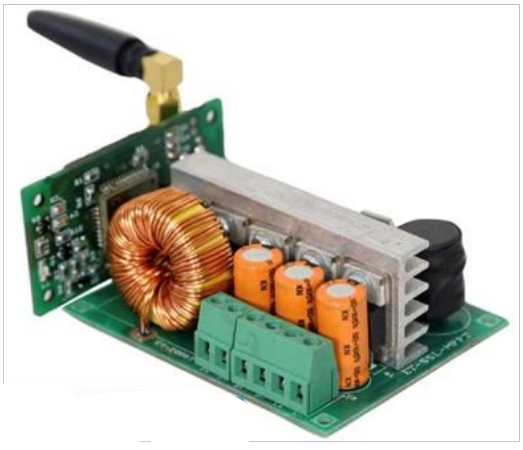
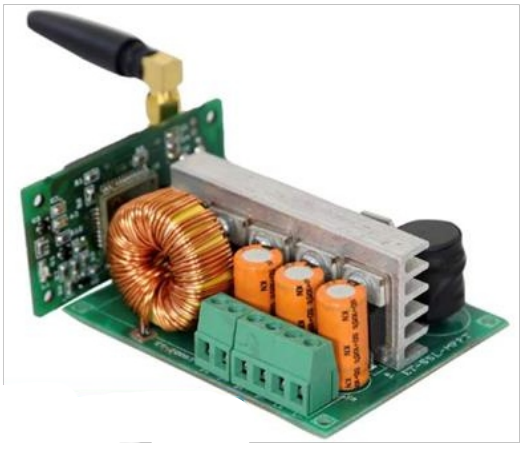


Semi-Integrated Solar LED Street-lights (9W-40W)



9W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-9-PRM-B
LED Lamp	9 Watt
LED Chip	OSRAM .
Solar PV Module	20wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell 12.8v 12ah LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	3.2Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

12W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-12-PRM-B
LED Lamp	12Watt
LED Chip	OSRAM .
Solar PV Module	40wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell 12.8v 12ah LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	4.0Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

14W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-14-PRM-B
LED Lamp	14Watt
LED Chip	OSRAM .
Solar PV Module	40wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	4.0Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

18W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-18-PRM-B
LED Lamp	18Watt
LED Chip	OSRAM .
Solar PV Module	60wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	4.3Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

24W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-24-PRM-B
LED Lamp	24Watt
LED Chip	OSRAM .
Solar PV Module	75wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	4.5Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

30W Semi-Integrated Solar LED Street-lights Features

• Proper PVmodule Placement :
In all in one solar LED street-light, we need to set up PV module direction and tilt angleser user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PVmodule with roper solar direction and tilt angle

• Reduced Damage/Theft:
By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced

• Compact Design:
Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

• Dimming:
• PIR motion sensor or intelligent dimming based on battery state of charge

• We have a wide range : 9W ~ 50W
• We are offering our range as per MNRE guidelines as well.

Technical Specifications.....

Product Name	ADSSL-INT-30-PRM-B
LED Lamp	30Watt
LED Chip	OSRAM .
Solar PV Module	100wp Poly-Crystalline.
Solar Panel MPP Voltage	19 volt.
Battery Type and Capacity	BIS approved cell 12.8v 12ah LiFePO4
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical
Lumen Output	140/watt Lumen.
Secondary Optics	Yes
LED External optics	145 X 90 Degree Street Light Lens.
LED Driver Efficiency	> 92 %

LED Driver Methodology	Dual PWM dc-dc Buck Converter.
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm.
Ideal Current Consumption	Less than 5 ma.
PWM Frequency	LED driver: 30.53 KHz Charge Controller:25 Hz
Light Mounting Height	5 Meter Above Ground Level.
Colour Temperature	6000K - 6500K.
Humidity range	0 to 95%
Temperature Range	0′ C TO 60′ C
Dimensions(mm)	76mm Dia
Weight(Kg)	5.2Kg
Product Warranty	5 Years
Operating	Dusk to Down Operation.

Solar LED Flood lights

Solar LED High Mast

Adisun Solar India Pvt.Ltd.

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