



DEV DIGITAL

SOLAR

LED LIGHTING

Solution

Product Catalog 2024

www.devdigital.co.in



DEV DIGITAL

About Us

Devdigital Electronics Private Limited stepped into the domain in 2013 by visionaries Mr. Sujit Patel . Their combined efforts, idealistic approaches, but a single goal of attaining maximum client satisfaction with their premium range of LED products has helped the company achieve significant milestones over the years. Recognized among the reliable LED Flood Light Manufacturers in Gandhinagar, Gujarat, our company is supplying well-designed and technically advanced range to several esteemed industries.

Special Features

- Solar powered, no need for Any other power supply source or electrical cabank.
- Remote Monitoring system other customized solution (GSM/Hybrid/ Bluetooth)
- Based on latest LED Technolog
- Solar High Mast system
- Maintenance free Batteries



 MADE IN INDIA

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Our Vision



VISION

To lead the global transformation towards sustainable urban lighting by innovating advanced, energy-efficient, and eco-friendly LED street light solutions that enhance safety, reduce environmental impact, and inspire brighter, smarter, and greener cities for generations to come

Certified



Lighting The Future



ALL IN ONE STREET LIGHT

Dev Digital's All-in-One Solar Street Light is proudly made in India, featuring high-efficiency solar PV modules, long-lasting lithium batteries, and advanced LED technology. Equipped with a smart built-in Passive Infrared (PIR) motion sensor, the light adjusts its brightness based on human presence. If no motion is detected for over 30 seconds, the brightness automatically dims to 50%, conserving energy and extending battery life. When movement is detected within a 12-meter range, the light instantly switches to full brightness, ensuring efficient illumination and optimal performance.



Product Code	LED Wattage	Suggested PV module	Battery	LED QTY SMD	Dimension(mm)
DDSSL-AIO-25-VNS	25watt	6watt	3.2V 6Ah LiFePo4	2835/216	405 x 185 x 50
DDSSL-AIO-50-VNS	50watt	11watt	3.2V 10Ah LiFePo4	2835/288	550 x 280 x 56
DDSSL-AIO-75-VNS	75watt	13.5watt	3.2V 12Ah LiFePo4	2835/384	620 x 280 x 56
DDSSL-AIO-100-VNS	100watt	16watt	3.2V 15Ah LiFePo4	2835/480	680 x 280 x 56



ALL IN ONE STREET LIGHT

Dev Digital All in one Solar Street Light is made in INDIA with high efficiency Solar PV modules, longer life Lithium batteries, high efficacy led, smart in-built Passive Infrared (PIR) motion sensor that modify lighting according to human presence, it is controlled the dimming and brightness of light, if there is no motion for more than 30 seconds, the controller reduces brightness to 50%, on detecting any movement in the range of 12 meters, the light will automatically glow at full power, which increases the backup time

We have wide range: 15W- 100W



Product Code	LED Wattage	Suggested PV Module	Battery	Lum.Flux	Dimension(mm)
DDSSL-AIO-15-PRM-A	15W	33W	12.8V 12ah LiFePo4	2250 lumen	530x400x60
DDSSL-AIO-18-PRM-A	18W	45W	12.8V 12ah LiFePo4	2700 lumen	740x400x60
DDSSL-AIO-24-PRM-A	24W	45W	12.8V 18ah LiFePo4	3600 lumen	740x400x60x
DDSSL-AIO-30-PRM-A	30W	60W	12.8V 18ah LiFePo4	4500 lumen	905x400x60
DDSSL-AIO-40-PRM-A	40W	75W	12.8V 24ah LiFePo4	6000 lumen	1165x400x60
DDSSL-AIO-50-PRM-A	50W	100W	12.8V 30ah LiFePo4	7500 lumen	1350x400x60
DDSSL-AIO-60-PRM-A	60W	120W	12.8V 42ah LiFePo4	9000 lumen	1170x675x60
DDSSL-AIO-80-PRM-A	80W	150W	12.8V 60ah LiFePo4	12000 lumen	1250x710x60
DDSSL-AIO-100-PRM-A	100W	150W	12.8V 66ah LiFePo4	15000 lumen	1250x710x60



ECONOMIC ALL IN ONE SOLAR STREET LIGHT



Product Code	LED Wattage	Suggested PV Module	Battery	Lum.Flux	Dimension(mm)
DDSSL-AIO-20-ECO-A	20W	40W	12.8V 12ah LiFePo4	2600 lumen	665x415x120
DDSSL-AIO-30-ECO-A	30W	50W	12.8V 18ah LiFePo4	3900 lumen	665x505x120
DDSSL-AIO-40-ECO-A	40W	60W	12.8V 24ah LiFePo4	5200 lumen	665x765x120
DDSSL-AIO-50-ECO-A	50W	80W	12.8V 30ah LiFePo4	6000 lumen	1350x350x120



Product Code	LED Wattage	Suggested PV Module	Battery	Lum.Flux	Dimension(mm)
DDSSL-AIO-10-ECO-A	10W	15W	7.4V 5.2ah LiFePo4	1300 lumen	400X200X155
DDSSL-AIO-15-ECO-A	15W	25W	12.8V 6ah LiFePo4	1950 lumen	800X200X155
DDSSL-AIO-20-ECO-A	20W	25W	12.8V 12ah LiFePo4	2600 lumen	800X200X155

SEMI INTEGRATED SOLAR STREET LIGHT

Features

In integrated solar street-lights we installed LED luminary separately and therefore we may install PV module with proper solar direction and tilt angle. By locating directly on the light fixture and placing the battery within the risk of damage, theft or tampering is greatly reduced. PIR motion sensor or intelligent dimming based on battery state of charge. We are offering our range as per MNRE guidelines as well We have a wide range: 10W-60W



Product Code	LED Wattage	Suggested PV module	Battery	Lum. Flux	Dimmension(mm)
DDSSL-INT-10-PRM-A	10watt	30watt	12.8V 6Ah LiFePo4	1400 lumen	325 x 160 x 90
DDSSL-INT-12-PRM-A	12watt	40watt	12.8V 12Ah LiFePo4	1680 lumen	325 x 160 x 90
DDSSL-INT-15-PRM-A	15watt	50watt	12.8V 12Ah LiFePo	2100 lumen	325 x 160 x 90
DDSSL-INT-18-PRM-A	18watt	60watt	12.8V 18Ah LiFePo4	2520 lumen	430 x 170 x 120
DDSSL-INT-24-PRM-A	24watt	75watt	12.8V 18Ah LiFePo4	3360 lumen	430 x 170 x 120
DDSSL-INT-30-PRM-A	30watt	100watt	12.8V 24Ah LiFePo4	4200 lumen	430 x 170 x 120
DDSSL-INT-36-PRM-A	36watt	120watt	12.8V 30Ah LiFePo4	5040 lumen	430 x 170 x 120
DDSSL-INT-40-PRM-A	40watt	120watt	12.8V 36Ah LiFePo4	5600 lumen	430 x 170 x 120
DDSSL-INT-45-PRM-A	45watt	165watt	12.8V 42Ah LiFePo4	6300 lumen	430 x 170 x 120
DDSSL-INT-50-PRM-A	50watt	165watt	12.8V 48Ah LiFePo4	7000 lumen	430 x 170 x 120
DDSSL-INT-60-PRM-A	60watt	165watt	12.8V 54Ah LiFePo4	8400 lumen	430 x 170 x 120



SOLAR LED STREET LIGHT BASED IN RMS SYSTEM



GSM + MPPT CONTROLLER



Remote monitoring facility will be integrated with MPPT charge controller and it would record system parameters at fixed time interval of 10 minutes for system health analysis. Recorded data can be downloaded in PDF, XLS, JPEG, PNG and SVG format. Recorded data will be available online for 30 days of limited time.

Remote Monitoring URL: <https://solarlights.rmstracker.com>

Username: 201018001

Password: test123

Login Page Credentials:

1) Username: Device Serial No.

2) Password: It will be available along with the product.

RMS PARAMETER	DESCRIPTIONS
Battery Parameter	Battery: Voltage / Current / Power
Solar PV Parameter	Solar PV : Voltage / Current / Power
Load Parameter	Load : Status / Voltage / Current / Power
Fault Detection	Fault Description
Site Co-Ordinates	Map with Latitude and Longitude



STAND ALONE SOLAR CCTV CAMERA

Features

- ✔ IR Bullet 3 Megapixel.
- ✔ Built-in high-sensitivity MIC & speaker, support two-way audio.
- ✔ Intelligent humanoid detection, greatly reduce the interference of branches, small area movement detection, real-time push information, -IP66 waterproof rating.
- ✔ Support remote monitoring by mobile phone and PC client, view the live situation anytime and anywhere.
- ✔ Active defence, when someone breaks into the alert area, the device will alarm by sound and push alarm information



Model Name	DDSOL-CCTV-PRM-A
Camera Type	Wireless 4G Inbuilt Storage 3MP IP Camera
Solar PV Module	30WP Poly-Crystalline
Solar MPP Voltage	19 Volt
Battery type and capacity	12.8v 154Wh LifeP04
Battery backup / Autonomy	>48Hours
Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
Ideal Current Consumption	Less than 2ma
PWM Frequency	Charge Controller : 25Hz
Mounting Type	Wall / Pole Mounting With Accessories
Image Sensor	CMOS Sensor
Resolution	2304x1296
S/N Ratio	>39.1dB
Lens	3.6MM(M 12 Mount)
Night Vision Capabilities	Ultra Bright 36nos IR LEDs
Light Mode	Full Colour/Infrared/Intelligent
Image Settings	Standard/Bright/Gorgeous
Features	Best Quality Video, Motion Detection, Alarm Information Push, Support Mobile Phone, Client Remote Monitoring By App
TF/SD Card	Support Max. 128GB
Connection Mode	4G / RJ45 LAN Network Connection
Product Warranty	36 Months



ALL IN ONE STREET LIGHT

MPPT and PWM Charge Controllers

- Supported batteries: Lead acid, Li-Ion NMC, LiFePO4
- Input voltage: 12V / 24V
- More than 95% charging efficiency
- Three stage battery charge monitoring algorithm
- GPRS cloud based remote monitoring system
- Bluetooth / wifi based mobile application
- Hbrid functionality



Protection

- Short circuit protection
- Battery over charge protection
- Battery deep discharge protection
- PV reverse voltage polarity protection
- Battery reverse voltage polarity protection



Solar Charge Controller

- Constant voltage load output
- 6amp to 30amp wide range
- Mobile charging USB port
- Load shutdown switch
- Multiple load output



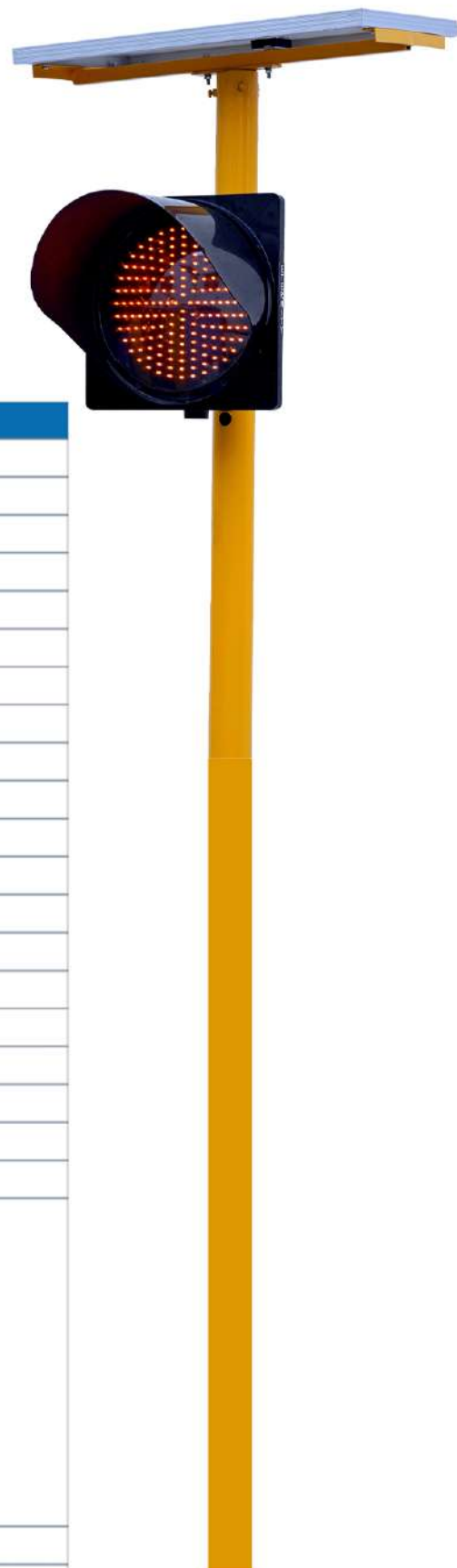
Solar LED Street Light Controller

- Constant current load output
- Solar charge controller + LED driver for solar LED street light.
- 5watt to 100watt wide range
- More than 92% LED driver efficiency
- Multi stage customised dimming functionality
- As per MNRE specifications





SOLAR LED TRAFFIC BLINKER



Parameter	Description
Aspect diameter	300mm
Display color	Red / Amber / Green
Working hour	12 hours (dusk to dawn) / 24 hours
Body	Polycarbonate(Suitable for extreme weather condition)
Number of LEDs used	180 nos high brightness LEDs
LED wavelength	Red: 620 +- 5 nm, Amber: 590 +- 5nm, Green: 500 +- 5nm
Input Voltage	12.8VDC / 230VAC
Frequency	40 Flashes per minute
Solar PV module	20watt
Battery	12.8V 6ah LiFeP04 battery pack
Power consumption	4 watt max.
LED viewing angle	23 degree (as per NHA standard)
Lamp intensity(Center Lux)	Greater than 330 cd (as per NHA standard)
IP protection	IP65 (as per NHA standard)
Visibility	Greater than 500 meters
Autonomy	4 days
Charge controller methodology	Three stage battery charge monitoring algorithm
LED driver efficiency	Grater than 90 percent
LED driver methodology	Dual PWM dc-dc buck converter
Ideal current consumption	Less than 10 ma
Protection	<ul style="list-style-type: none">• Short circuit protection• Battery over charge protection• Battery deep discharge protection• PV reverse voltage polarity protection• Battery reverse voltage polarity protection• Software watch-dog for LED over current
Pole specs	12feet MS/GI 76mm outer dia yellow powder coated pole
System Weight	25 kg

SOLAR POST TOP POLE LIGHT

This manual contains important instructions for the installation and maintenance of the solar led post top pole light. The Devdigital's solar led post top pole light system is standalone, off-grid, solar-powered lighting system. Years of engineering, development, and testing ensure that this system meets or exceeds all performance and reliability specifications. Every system that leaves our factory has been quality control tested and inspected to assure you of an easy installation and highly dependable performance. All mechanical fittings and electrical connections are designed for simple and reliable installation. The system is ready for use immediately after the components are mounted and the plug and play connectors are joined.



Parameter	Description
Casting + Materials LED fitting	PDC + ADC 12
Diffuser	Clear diamond cut PC
Wattage	30W
Lumen Output	> 3500 Lumens
Colour temperature	2500K / 4000K / 6500K
Solar PV Module	180WP High Efficiency Mono Crystalline
Solar Module Size	1100 x 133 mm
VOC of solar module	17V
Type of battery	BIS approved cell 12.8v 36ah LiFeP04
Battery location	Inside the pole
Backup	24 hours with dimming
Solar Charge Controller Type & Capacity	MPPT CCU & 12.8v 15Amp
Dusk to dawn	Yes
Protection	<ul style="list-style-type: none"> • Short circuit protection • Battery over charge protection • Battery deep discharge protection • PV reverse voltage polarity protection • Battery reverse voltage polarity protection
Height up to the fixture top	12 Feet
Materials of pole	Extruded Aluminum
Paint	Powder Coated
Base Plate	250 x 250 x 8mm

SOLAR STAND ALONE HIGH MAST LIGHT



Product Code	LED Wattage	Suggested PV module	Suggested Battery	Lum. Flux	Dimmension(mm)
DDSFL-SALN-24-PRM-A	24watt	75watt	12.8V 24ah LiFePo4	3600 lumen	230 x 200 x 50
DDSFL-SALN-30-PRM-A	30watt	100watt	12.8V 30ah LiFePo4	4500 lumen	230 x 200 x 50
DDSFL-SALN-50-PRM-A	50watt	165watt	12.8V 54ah LiFePo4	7500 lumen	300 x 240 x 50
DDSFL-SALN-70-PRM-A	70watt	200watt	25.6V 36ah LiFePo4	10500 lumen	300 x 240 x 50
DDSFL-SALN-100-PRM-A	100watt	330watt	25.6V 48ah LiFePo4	15000 lumen	360 x 300 x 70
DDSFL-SALN-50-PRM-A	50watt	165watt	12.8V 54ah LiFePo4	7500 lumen	330 x 140 x 95
DDSFL-SALN-70-PRM-A	70watt	200watt	25.6V 36ah LiFePo4	10500 lumen	400 x 190 x 105
DDSFL-SALN-100-PRM-A	100watt	330watt	25.6V 48ah LiFePo4	15000 lumen	400 x 190 x 105

SOLAR INTEGRATED HIGH MAST LIGHT



Product Code	LED Wattage	Suggested PV module	In Built Battery	Lum. Flux	Dimmension(mm)
DDSFL-INT-15-PRM-A	15watt	50watt	12.8V 12ah LiFePo4	2250 lumen	300 x 250 x 250
DDSFL-INT-24-PRM-A	24watt	75watt	12.8V 18ah LiFePo4	3600 lumen	300 x 250 x 250
DDSFL-INT-30-PRM-A	30watt	80watt	12.8V 24ah LiFePo4	4500 lumen	300 x 250 x 250
DDSFL-INT-36-PRM-A	36watt	100watt	12.8V 30ah LiFePo4	5400 lumen	300 x 250 x 250
DDSFL-INT-45-PRM-A	45watt	120watt	12.8V 42ah LiFePo4	6750 lumen	300 x 250 x 250
DDSFL-INT-50-PRM-A	50watt	165watt	12.8V 48ah LiFePo4	7500 lumen	300 x 250 x 250
DDSFL-INT-60-PRM-A	60watt	200watt	12.8V 54ah LiFePo4	9000 lumen	300 x 250 x 250



SOLAR HOME LIGHT SYSTEM

A solar home light system provides a comfortable level of illumination in one or more rooms of a house.

Features:

- Portable and Aesthetic design
- Easy to install
- Battery low indicator
- Upgraded PWM solar charge controller
- Longer battery life ensured
- Fast mobile charging USB port
- Separate switch for each light
- Free from noise, smoke & pollution
- Perfect for domestic and commercial use



Model 1

DDSHS-20-EA

- In-built 12.8V 6Ah LifeP04
- 20Watt Solar PV module
- 3W bulb 2 pcs
- 5-6hours backup

Model 2

DDSHS-50-EA

- n-built 12.8V 12Ah LifeP04
- 50Watt Solar PV module
- 3W bulb 1pcs, 4W bulb 2Pcs
- 15W DC Fan 1Pcs
- 8-10Hours backup

Model 3

DDSHS-75-EA

- In-built 12.8V 18Ah LifeP04
- 75Watt Solar PV module
- 3W bulb 1Pcs, 4W bulb 1Pcs
- 7W bulb 1Pcs
- 15W DC Fan 1Pcs
- 8-10Hours backup

Model 4

DDSHS-100-EA

- In-built 12.8V 30Ah LifeP04
- 100Watt Solar PV module
- 3W bulb 1Pcs, 4W bulb 1Pcs
- 7W bulb 1Pcs
- 15W DC Fan 1Pcs
- 15-18Hours backup

Model 5

DDSHS-330-EA

- In-built 12.8V 90Ah LifeP04
- 330Watt PV module
- 7W bulb 5pcs
- 25W BLDC ceiling fan 1 pcs
- TV socket 1 pcs
- With display



DEV DIGITAL

Our Participence





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