



Sun2Earth Solar



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About Sun2Earth Solar

“Sun2Eath Solar” was Established in 2014 in Surat (Gujarat). The core idea behind Company is to focus on Green Energy solution. It's the latest venture into renewable market by a group of companies having a glorious history of over 20 years in engineering and manufacturing activities.

“Sun2Earth Solar” has Solar PV Module manufacturing capacity of 40MW's at its plant in at Surat (Gujarat). Sun2earth Solar providing EPC services, project development, rooftop solutions, and solar water pumps.

“Sun2Earth Solar” currently manufacturing 3 watt to 370 watt solar PV Module using Poly, Mono & Mono PERC solar cells, with 100% EL tested and positive tolerance.

INTRODUCTION

Our innovation is based on the continuous renewal of products and processes, creative system solutions for the customer and the broad potential of LED lighting technology. Innovations determine our business success, and provide answers to many challenges of our time. In LED lighting technology, we are constantly seeking further solutions that save resources and protect our natural foundations of life at the same time. It is always our goal to make the everyday life of the individual and social life easier, safer and more comfortable and to contribute to a better world for present and future generations.

Special Features

- Solar powered- no need for any other power supply source or electrical cabling.
- Remote Monitoring system & other customized solution (GSM/Hybrid/Bluetooth)
- Based on latest LED Technology
- Automatic Dusk to Dawn
- Solar High Mast system
- Maintenance free Batteries

All in one Solar Street Light

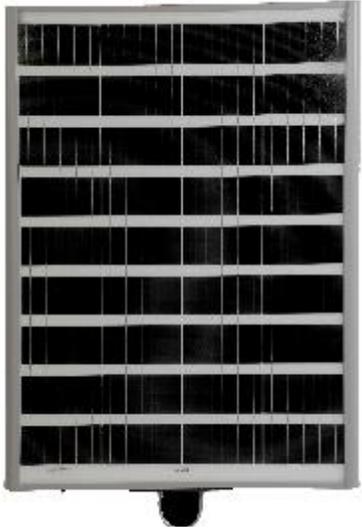
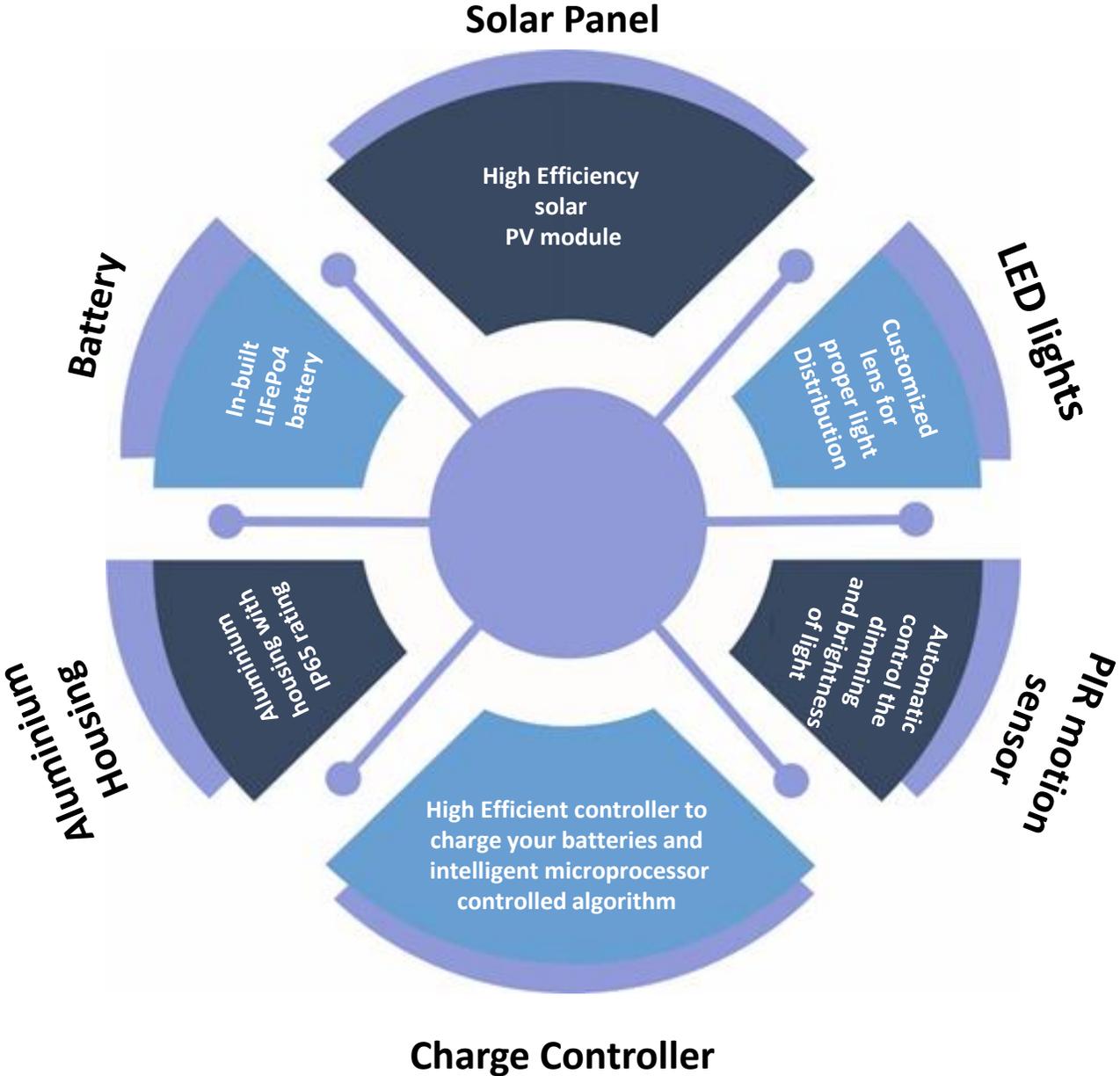
Features

- Sun2Earth Solar All in one Solar Street Light is made in INDIA with high efficiency Solar PV modules, Longer life Lithium batteries, high efficiency led, smart inbuilt Passive Infrared PIR motion sensor that modify lighting according to human presence, it control the dimming and brightness of light, if there is no motion for more than 30 seconds, the controller reduces brightness to 30%, on detecting any movement in the range of twelve meters, the light will automatically glow at full power, which increases the backup time.
- We have wide range : 15W-100W



Product Code	LED Wattage	PV module	Battery	Lum. Flux	Dimension(mm)
S2E-AIO-15	15 Watt	30 Watt	12.8V 12Ah LiFePO4	2250 Lumen	530 x 400 x 42
S2E-AIO-18	18 Watt	40 Watt	12.8V 12Ah LiFePO4	2700 Lumen	740 x 400 x 42
S2E-AIO-24	24 Watt	40 Watt	12.8V 18Ah LiFePO4	3600 Lumen	740 x 400 x 42
S2E-AIO-30	30 Watt	60 Watt	12.8V 18Ah LiFePO4	4500 Lumen	905 x 400 x 42
S2E-AIO-40	40 Watt	60 Watt	12.8V 24Ah LiFePO4	6000 Lumen	905 x 400 x 42
S2E-AIO-50	50 Watt	90 Watt	12.8V 30Ah LiFePO4	7500 Lumen	1350 x 400 x 42
S2E-AIO-60	60 W att	110 Watt	12.8V 42Ah LiFePO4	9000 Lumen	1100 x 730 x 42
S2E-AIO-100	100 Watt	165 Watt	12.8V 66Ah LiFePO4	15000 Lumen	1250 x 710 x 42

All in one Solar Street Light

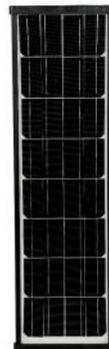


Economic All In One Solar Street Light

Features

- Economic All In One Solar Street Light is made in INDIA with high efficiency Solar PV modules, longer life Lithium batteries, high efficacy led, smart inbuilt Passive Infrared PIR motion sensor that modify lighting according to human presence, it control 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 twelve meters, the light will automatically glow at full power, which increases the backup time.
- Dimming : PIR motion sensor or intelligent dimming based on battery state of charge
- We have a wide range : 10W – 40w
- We are offering our range as per MNRE guidelines as well

Product Code	LED Wattage	PV module	Battery	Lum. Flux	Dimension(mm)
S2E-AIO-20-ECO	20 Watt	40 Watt	12.8V 12Ah LiFePO4	2600 Lumen	665 x 430 x 120
S2E-AIO-30-ECO	30 Watt	50 Watt	12.8V 18Ah LiFePO4	3900 Lumen	665 x 515 x 120
S2E-AIO-40-ECO	40 Watt	60 Watt	12.8V 24Ah LiFePO4	5200 Lumen	665 x 775 x 120



Product Code	LED Wattage	PV module	Battery	Lum. Flux	Dimension(mm)
S2E-AIO-10-ECO	10 Watt	15 Watt	7.4V 5.2Ah Li-Ion	1300 Lumen	400 x 200 x 155
S2E-AIO-15-ECO	15 Watt	25 Watt	12.8V 6Ah LiFePO4	1950 Lumen	800 x 200 x 155
S2E-AIO-20-ECO	20 Watt	25 Watt	12.8V 12Ah LiFePO4	2600 Lumen	800 x 200 x 155

Semi Integrated Solar Street light

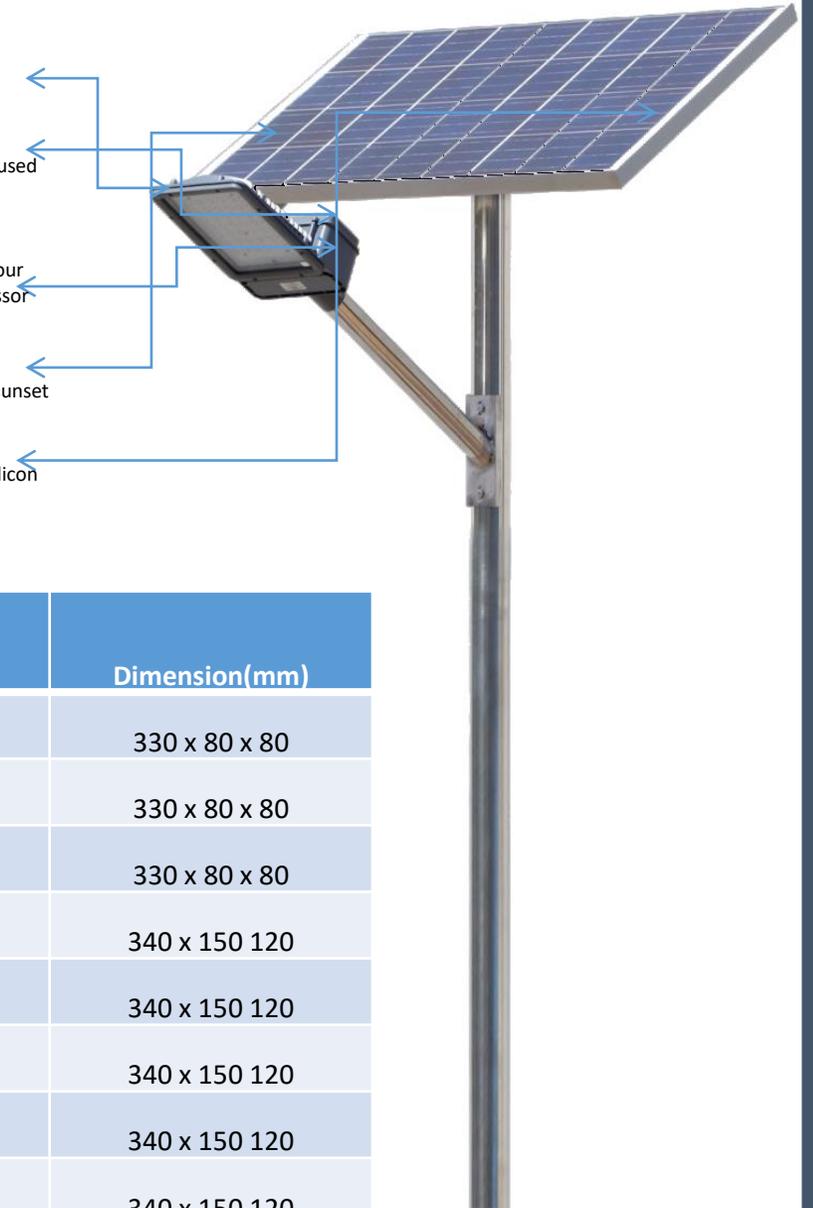
Features

Proper PV module Placement : In integrated solar street-lights we installed LED luminary separately and therefore we may install PV module with proper 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. 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

- LED**
High lumen LED modules
- Battery**
Specific deep discharge batteries are used to store the energy.
- Charge Controller**
High efficient controller to charge your batteries and intelligent microprocessor controlled algorithm
- Dusk to dawn**
Autonomously determine sunrise and sunset
- Solar Panel**
Mono Crystalline & Poly Crystalline Silicon Solar Panels with High Efficiency



Product Code	LED Wattage	Suggested PV Module	Battery	Lum. Flux	Dimension(mm)
S2E-INT-10-PRM	10 watt(+/-5%)	30wp	12.8V 6Ah LiFePO4	1300 Lumen	330 x 80 x 80
S2E-INT-12-PRM	12 watt(+/-5%)	45wp	12.8V 12Ah LiFePO4	1560 Lumen	330 x 80 x 80
S2E-INT-15-PRM	15 watt(+/-5%)	50wp	12.8V 12Ah LiFePO4	1950 Lumen	330 x 80 x 80
S2E-INT-18-PRM	18 watt(+/-5%)	60wp	12.8V 18Ah LiFePO4	2340 Lumen	340 x 150 120
S2E-INT-24-PRM	24 watt(+/-5%)	75wp	12.8V 18Ah LiFePO4	3120 Lumen	340 x 150 120
S2E-INT-30-PRM	30 watt(+/-5%)	100wp	12.8V 24Ah LiFePO4	3900 Lumen	340 x 150 120
ETSSL-INT-36-PRM-B	36 watt(+/-5%)	120wp	12.8V 30Ah LiFePO4	4680 Lumen	340 x 150 120
ETSSL-INT-40-PRM-B	40watt(+/-5%)	150wp	12.8V 36Ah LiFePO4	5200 Lumen	340 x 150 120

Stand-alone Solar CCTV Camera (S2E-CCTV-PRM)

Features

- IR Bullet 3 Megapixel.
- Built-in high-sensitivity MIC and speaker, support two-way audio.
- Intelligent humanoid detection, greatly reduce the inference 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.



Product name	S2E-CCTV-PRM	Image settings	Standard/Bright/Goregeous
Camera type	Wireless 4G In built storage 3 Mega Pixel IP camera	Video Streaming	H.264 /H.264+/265/H.265+ 2048 X 1536 @ 15 fps H.264 /H.264+/H265/.265+ 640 x 480 @ 15fps
solar PV module	30 WP poly-crystalline	Features	Motion detection, alarm information push, support mobile phone, client remote monitoring
solar panel MPP voltage	19 volt		
Battery type and capacity	12 8V 154Wh LiFePO4	Audio Streaming	AAC/G7114
Battery backup / Autonomy	> 48 hours	Audio IN	Built in MIC
Charge controller methodology	Three stage battery charge monitoring algorithm	Audio OUT	Built in Speaker
Ideal current consumption	Less than 2 ma	Button	For matching code, reset
PWM frequency	Charge controller: 25Hz	TF/ SD card	Support Max 128 GB
Mounting type	Wall / pole mounting with accessories	Protocol	N1 Protocol
Image Sensor	1/2.70 CMOS Sensor	Connection mode	4G/RJ45 LAN network connection
Resolution	2304 x 1296	Thunder Prevention	Standard IEC61000-4-5
S/N ratio	>39.1 dB	Power Consumption	<5W
Lens	3.6MM(M12 mount)	Humidity range	0 to 95%
Night vision capabilities	Ultra bright 36 nos IR LEDs	Temperature range	0DC to 60DC
Light mode	Full color/Infrared/Intelligent	Product warranty	36 Months

Solar LED Traffic Blinker

Features

Low Power consumption (<5 watt), constant light output even with variations in supply, low output degradation, even distribution of light, backup up to three continuous cloudy days, as per NHA1 standards

Product Description

Blinker Size: 300 mm (12 inch) & 200 mm (8 inch)

Colour: Red/Amber/Green

- Operation: 24 hours or 12 hours (Dusk to Down)
- Body: Polycarbonate (Suitable for extreme Weather Condition)
- No. of LEDs Used: No. of LEDS/POWER Consumption | 96/8 Watts | 176/12 Watts
- LED Specification(5mm Water Clear) : Wavelength RED...623 to 625 | Wavelength BER/YELLOW..602 to 604| Wavelength Green(BLUIISH)...498 TO 502
- Input Voltage : 12v DC / 230v AC
- Frequency : 30 to 40 Flashes Per Minutes as desired
- Power Factor : >0.9
- Visibility Range: Visibility up to 300-500-meters
- Viewing Angle : 24 Degree for LED'
- Charge Control Unit (CCU): Three stage battery charge monitoring algorithm
- Solar panel : 12 Volts, Wattage as per NHA1 Specification
- Batter : 12.8V 6Ah LIFEP04 Battery Pack
- Clamps : For Mounting traffic single and solar panel
- Pole: Dia 3" or 4", Height 2.5 to 4 mt., GI or MS
- Certifications: IP 65
- Total System Weight: 2.3 Kgs
- Certifications: IP 65
- Total System Weight: 2.3 Kgs

Product Code	Working	PV Module	Battery
S2E-12-EA	Dusk to Dawn	15 Watt	12.8V 6Ah
S2E-24-EA	24 Hours	20 Watt	12.8V 6Ah



Solar Home Light System

Features:

- Portable and Aesthetics Design
- Easy to install
- Battery low indicator
- Free from noise, smoke, pollution
- Cost efficient and reliable
- Upgraded PWM Solar charge controller
- Longer battery life ensured
- Fast mobile charging USB port
- Separate switch for each light.



Add-on Features

DC Table Fan (12V/15W)

Type	Battery Capacity (LiFePo4)	Solar Module	Back Up	3 Watt Bulb	4 Watt Bulb	7 Watt Bulb	15 Watt DC Fan
S2EHS-20	12.8V 6Ah	20 Watt	5-6 hour	2Pcs			
S2EHS-50	12.8V 12Ah	50 Watt	8-10 hour	1Pcs	2Pcs		1Pcs
S2EHS-75	12.8V 18Ah	75 Watt	8-10 hour	1Pcs	1Pcs	1Pcs	1Pcs
S2EHS-100	12.8V 30Ah	100 Watt	8-10 hour	1Pcs		2Pcs	2Pcs



Solar Home Systems



Features:

- Portable and aesthetic design
- Pollution-free and eco-friendly
- Field tested for over 7 years
- Compliant with performance standards
- Upgraded PWM solar charge controller
- Built in temperature compensation
- Advanced charge topology to enhance battery life
- Fast mobile charging USB port
- High lumen DC LED luminary

Product Code	PV Module	Battery	Load
S2E-10-EB	10 Watt	12.8V 6Ah LiFePO4	15 Watt
S2E-50-EB	50 Watt	12.8V 12Ah LiFePO4	35 Watt

Solar LED Lantern

Features:

- Compact, lightweight, portable
- Rugged design suitable for toughest conditions
- Special charging socket to prevent reverse polarity
- Low voltage disconnect
- Over charge protection
- Dual PWM dc-dc converter
- USB fast mobile charging option
- High lumen LEDs
- Three stage battery charging algorithm
- Lead acid / Lithium Ion / LiFePO4 batteries

Product Code	PV Module	Battery	Load
S2E-03-EA	5 Watt	27 Wh	3 Watt
S2E-05-EA	10 Watt	54 Wh	5 Watt
S2E-07-EA	15 Watt	80 Wh	7 Watt





Marketing and Registered Office Address:

3013, World Trade Center, Near Udhana Darwaja Ring Road,
Surat-395002

Manufacturing Facility Address:

BLOACK NO. 331, ENA TUNDI ROAD, NEAR ENA CHAR RATA, ENA,
TA. PALSANA, DIST. SURAT - 394310.
Email : sales@sun2earth.co.in