



Solar Lightings & Solutions

INNOVATION | R & D | MANUFACTURING

COMPANY PROFILE

An ISO 9001:2015 Certified Company

2022-23

ABOUT US



A MANUFACTURER COMPANY



SOLAR LIGHTS & SOLUTIONS
LITHIUM BATTERY PACKS
ENERGY STORAGE SYSTEMS



B2B & OEM

INFRASTRUCTURE



- 50,000 sq. ft Manufacturing Shed
- 30,000 sq. ft. shop floor area
- 6000 sq. ft Warehouse
- Corporate office @ prime location
- Two manufacturing lines
- State of the art production units
- Equipped with latest testing lab



OUR PRESENCE



R & D



- In-house R&D
- International Collaboration
(Australia & China)



SOLMITRA is a technological innovation corporation and one of the industrial leaders in delivering solar lighting. We were the first to manufacture All in One Solar Street Light.

As a pioneer of Solar Street Light, SOLMITRA achieves the mission to "Develop cutting edge solar technologies and provide a better, cleaner and the most adorable future for all"

Our main stream of products are: - All in One Solar Street Lights, Integrated Solar Street Lights, Hybrid Solar Street Lights, & Smart Solar Street Lights with range 7W to 80W. We also manufacture Lithium Battery Packs & Energy Storage Systems.

Our in-house battery lab is a vast set up with machines from Japan and China. These machines ensure better adherence to international standards and production of well tested, best in class battery packs.

The future is being built today and SOLMITRA is making that future more productive, eco-friendlier and more sustainable.

With our head office in Bangalore (Karnataka) and its North India branch in Ambala (Haryana), we have the joy of serving all of India.

Our Vision

"Harness the power of our Sun to create sustainability for all mankind."

We Inspire

Let's Work With SUN!

Our Mission

"To develop cutting edge solar technologies and provide a better, cleaner and the most adorable future for all."

WHY CHOOSE US?



Responsibility

Business values:

We believe that any business we venture into must be socially valuable - Helping people, societies and countries at large is our chief focus.

Environment:

We respect our environment and it reflects in our decision making. We help our customers do the same by providing clean, efficient, healthy solutions and products.

Excellence

Our commitment to achieve highest standards in our daily work can be seen in the quality of the products and services, we provide.

Customer satisfaction being our prime focus, we always aim to be experts in the industry with continuous innovation. This ensure we excel in customer satisfaction.

State-of-the-art Production Units

To Delivering valuable products to our customers, our state of the art production unit makes use of components from world's best suppliers from India and Abroad.

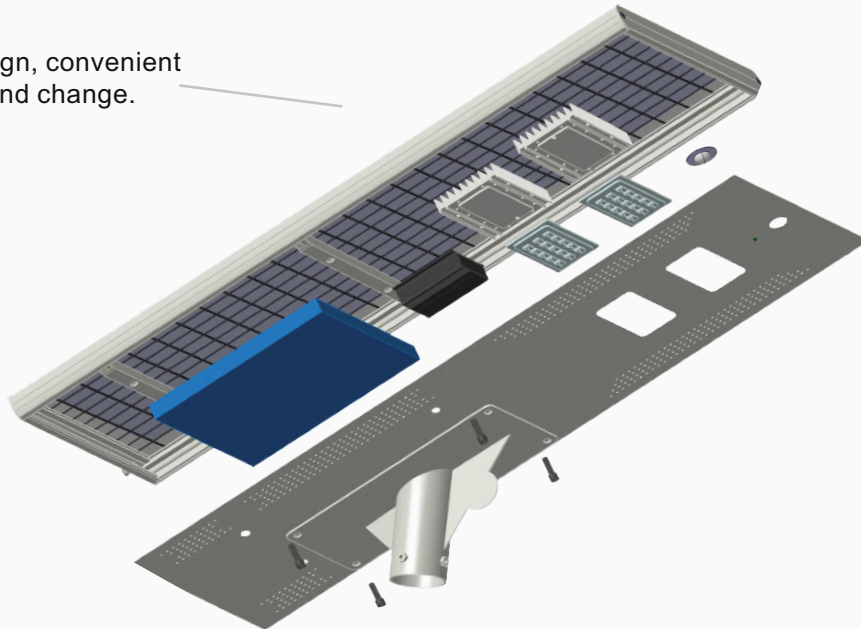
SOME OF OUR CUSTOMERS

- Various Industries
- Schools & Colleges
- Hotels & Resorts
- Religious Institutions
- Hospitals
- Gram Panchayat
- NGO's
- Govt. Tenders etc...

CORE ADVANTAGES OF OUR PRODUCTS

Modular design, convenient to maintain and change.



SMART CONTROLLER - PWM & MPPT

Complete Protection for the Whole System

Through our indigenous R&D, in-house developed controller which can intelligently regulate the power adapting to the varying weather and protects the whole system.



Smart control

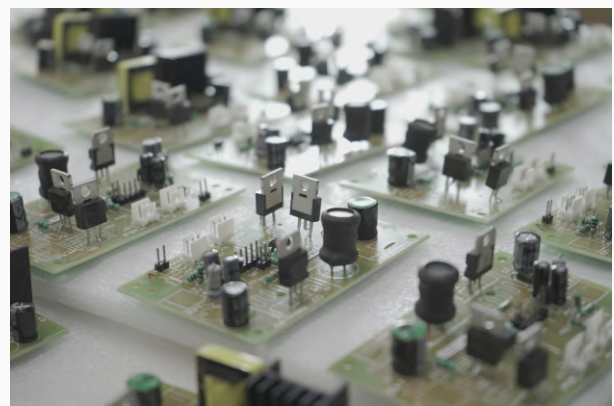
Intelligent charging and discharging management, no load consumption : 0.06W(12V), LED output short circuit protection & IP68 Protection.



Multi-protection

Overload | Over current | Over temperature
Over voltage | Overcharge | Over discharge
Under voltage

Reduces damage, improves maintenance, prolongs life span and protects all the peripheral units.



HIGHLY EFFICIENT SOLAR PANEL

Maximize Energy



**Mono-crystalline
silicon solar panel**



**Over 20%
transfer efficiency**



25 years life span

ALUMINIUM FRAME STRUCTURE

Strong Quality



Complete aluminium frame structure

Excellent heat dissipation, light weight & high strength



Anti-corrosion

No corrosion in normal environment.

IP65

IP65 Waterproof

Fastener uses 316 stainless steel bolt, keeping firm in windy rainy days.



OSRAM LED

OSRAM

**Superior
Outdoor LED**



**Luminous Efficiency
Over 160 lm/W**

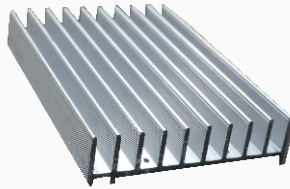


**Excellent Heat
Dissipation**

Combined with the outstanding heat dissipation design, the pure aluminium lamp base with sealed lens makes the lighting more effective and aids in prolonged life span of the LED.

Life up to 50,000 hours

Heat Sink



Thermal analyzed aluminium Heatsink

BAT WING LENS



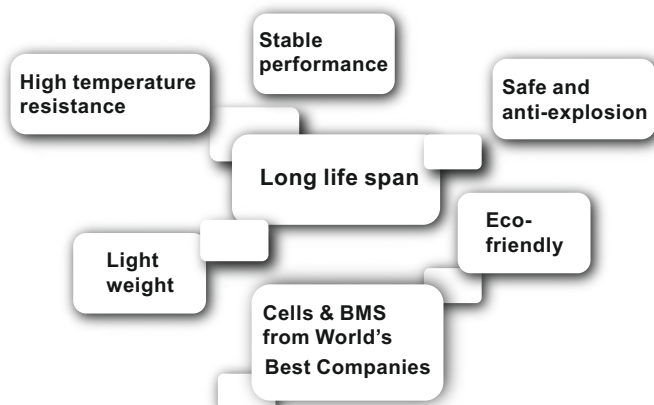
Brand new light distribution lens design, uses Polycarbonate transparent material the same with Japanese original car headlamp, which improves the lighting effect, illumination and uniformity.

High strength | High light transmittance | Excellent anti UV performance

LIFEPO4 LI-ION BATTERY

Keep the System Working Endless

The Eco-friendly and safe LiFePO4 Li-ion battery improves the charge and discharge cycle over **2000** times and has a life span of more than **5** years under Std. Conditions.

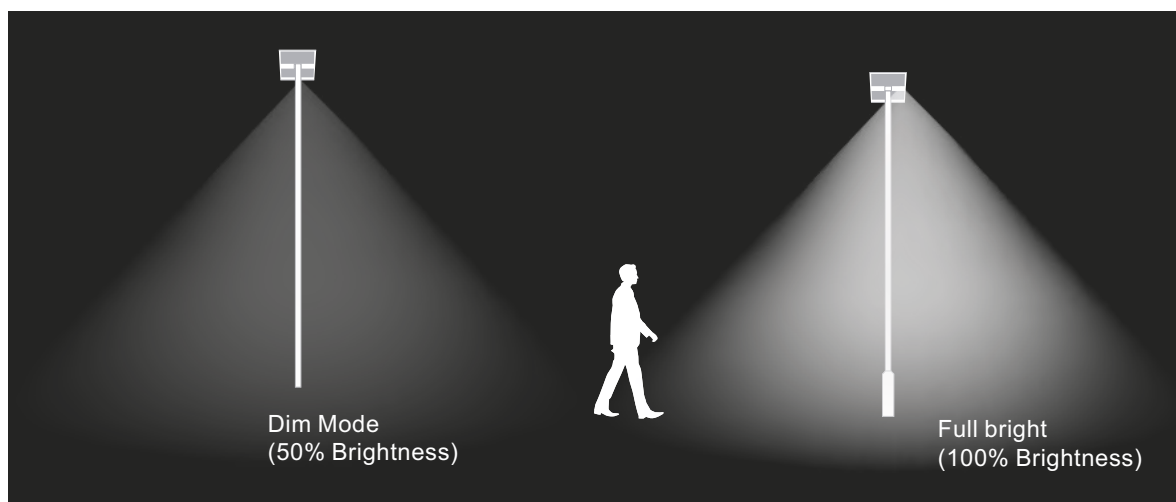


SMART PIR MOTION DETECTION



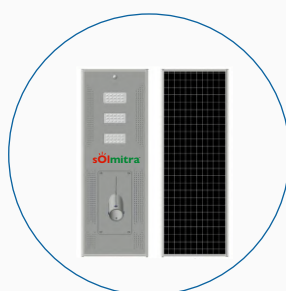
PIR sensor

Durable with Reliable performance, longer sensing distance



SOLAR STREET LIGHT

ALL-IN-ONE

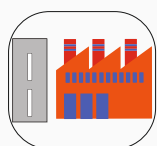


► Specifications

Model		SAidP15	SAid15	SBidP15	SBid15
Lighting Parameter	Brand	OSRAM			
	Lumens	160 / Watt			
	Watt	7W-50W			
Panel	Type	Mono Crystalline			
Battery	Type	LiFePo4		Lithium Ion	
Motion Sensor	PIR	Yes	No	Yes	No

► Applications

From 15w to 50w, all in one solar lighting system can be used for a wide range of area lighting.

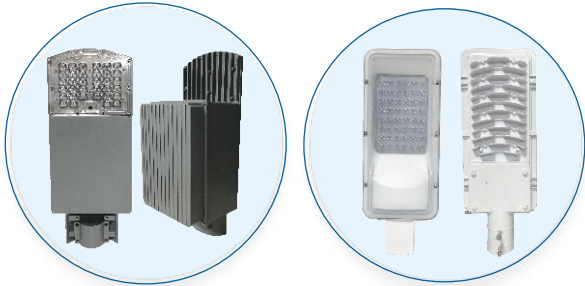


- * Public areas, Parks & campuses
- * City stadium & Office district
- * Apartments & Garden Areas
- * Residential & Community Centre
- * Parking lots & Entrance Lighting
- * Industry, Mining Security & Perimeter
- * Hotels & Resorts
- * Bike trails & Tourist attraction
- * Camp & Temporary Construction

SOLAR STREET LIGHT

INTEGRATED

Gray | White Series



► Specifications

Model		SAidP15	SAid15	SBidP15	SBid15
Lighting Parameter	Brand	OSRAM			
	Lumens	160 / Watt			
	Watt	7W-30W			
Panel	Type	Poly Crystalline			
Battery	Type	LiFePo4		Lithium-Ion	
Motion Sensor	PIR	Yes	No	Yes	Np

SOLAR STREET LIGHT

SEMI INTEGRATED

Gray | White Series

Model		SAidP15	SAid15	SBidP15	SBid15
Lighting Parameter	Brand	OSRAM			
	Lumens	160 / Watt			
	Watt	15W & 30W			
Panel	Type	Poly Crystalline			
Battery	Type	LiFePo4		Lithium Ion	
Motion Sensor	PIR	Yes	No	Yes	No

SOLAR STREET LIGHT

ALL-IN-ONE

Camera Series

sölmitra[®]
Let's Work with Sun!



► Specifications

Model		SAidPC15	SAidPC30	SBidPC15	SBidPC30
Lighting Parameter	Brand	OSRAM			
	Lumens	160 / Watt			
	Watt	15W & 30W			
Panel	Type	Mono Crystalline			
Battery	Type	LiFePo4		Lithium Ion	
Motion Sensor	PIR	Yes	Yes	Yes	Yes

► Features



2 MP Day & Night



Live Streaming with
Audio Support



Theft Proof



Wi-Fi Camera



Mobile App Integration



Off-Grid Applications

SOLAR STREET LIGHT INTEGRATED

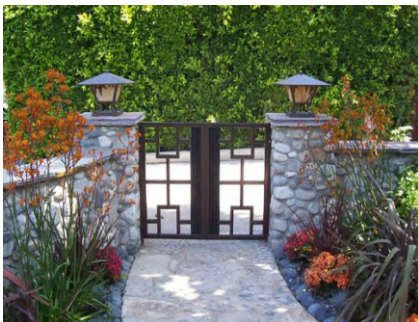
Camera Series



► Specifications

Model		2SAidPC15
Lighting Parameter	Brand	OSRAM
	Lumens	160 / Watt
	Watt	15W
Panel	Type	Poly Crystalline
Battery	Type	LiFePo4
Motion Sensor	PIR	Yes / No
Camera	Resolution	2 MP

► Applications



Security Centres



Guest Houses



Garden Areas

SOLAR CAMERA

With | Without USB



2 MP Day & Night



Live Streaming with Audio Support



Theft Proof



Wi-Fi Camera



Mobile App Integration



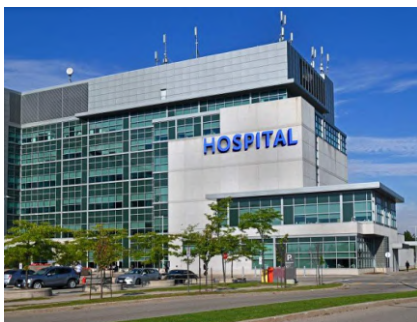
Off-Grid Applications



► Specifications

Model		SAC40	SAC70U
Camera	Resolution	2MP	
	Quality	1280*720 / 640×360	
Panel	Watt	40W & 70W	
	Type	Poly Crystalline	
Battery	Type	LiFePo4	

► Applications



Hospitals



Schools & Colleges



Play Grounds

SOLAR HOME LIGHTING SYSTEM

Reliable Product for all



2 Bulb X 3 Watts



Latest Battery
Li-ion | LiFePo4



Mobile Charging



Aesthetic Look



Backup up to 10-12 hours



5-year warranty



Applications

- * Rural Homes
- * Hawkers & Small Vendors
- * Kiosks & Small Shops
- * Small Religious Institutions
- * Gram Panchayat
- * NGO's
- * Corporate Gifting
- * Food Vehicles

SOLAR LANTERN



Latest Battery
Li-ion | LiFePo4



3 Stage Light Output To
Extend Battery Backup



Traditional Design &
Light Weight



Mobile Charging



Dual AC / DC
Charging



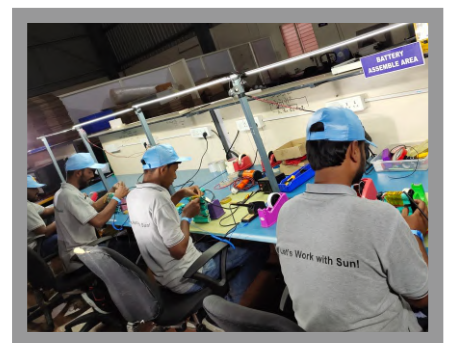
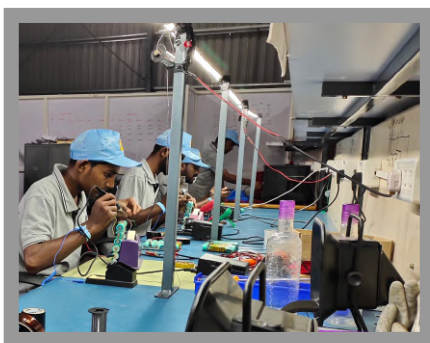
OSRAM LED

LITHIUM BATTERY PACKS



Our battery packs are made in house at our production facility in bangalore and are used in varied applications such as streetlights, ESS and automotive industry (EV).

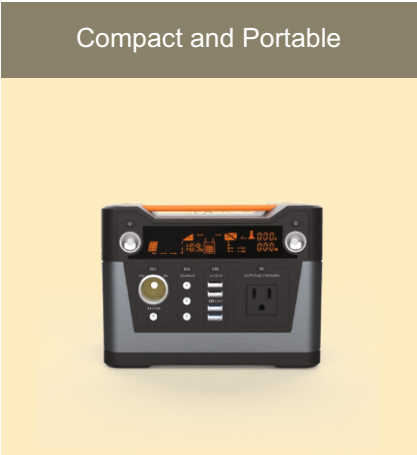
At Solmitra, we source the cells from tier one manufacturers which have passed all the lithium ion cell testing parameters. These cells are high in capacity with advanced ratio of anode-cathode mixtures and excellent thermal abilities.



PORTABLE GENERATORS



Camping	Power Outage	Driving Tour	Travel	Fishing	Home



OUR TEAM



We are a team because we respect, trust & care for each other.
Our greatest strength is our team spirit & that will remain because
a core of us come through the leagues together.



PRODUCTION LINE



CERTIFICATES



RECENT INSTALLATIONS



RECENT INSTALLATIONS



RECENT INSTALLATIONS





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Manufacturing Unit

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Bengaluru Rural, Karnataka, India - 562111.