





STATES' STARTUP

















#### **About Us**

We are Solar enthusiasts with 10 years of experience in the industry, specializing into B2B as well as B2C Products right from their R&D, Manufacturing, and Installation to Commissioning. We are here to cater you with varied range of Solar Products like Solar Street Light, Solar High Mast Light, Solar Submersible Pump, Solar Power Pack (On Grid and Off Grid), Solar Water Geyser, Solar Panels, Solar Lanterns, LED Luminaries etc. We are the manufacturer of MNRE approved Solar products, and have worked as System Integrator for Govt. Sector as – Indian Railways, Public Sector Unit. like (NSIC ,BHEL, SAIL, NHPC, NTPC), Financial Institution like (HDFC, Uco Bank, SBI etc), reputed NGO's of India (BAIF, AGA KHAN Foundation, BRLF, PANI Sansthan, Vishwas Sansthan, HPPI etc), Nodal agencies of various States (UPNEDA, TREDA etc) & Panchayati Raj (Zila Panchayat, Vikas Khand, Nagar Nigam, Nagar Panchayat etc).

We are also enlisted Class A Contractor for Railway and UPPCL works.

Sunrover is a very dynamic and customer oriented company hence we have a vast network of dealers, Manufacturing units and strong After Sales Service with 24 hours helpline number. We have incepted in the year of 2016 by two well grilled and experts of Solar Products Mr. Rravindra Pratap Singh and Mr. Ashwini Kumar Yadav who have prior experience in the field of Renewable Energy. Now with a new mission and vision we are all set to make our strong presence in Solar Industries with new innovations and new ideas.

### **Milestones**

In 2016, Sunrover registered as a manufacturer of Solar Street Lights and achieved the installation of 1,000 Solar Lights in the first year across Zila Panchayat and Blocks.

In 2017, Sunrover expanded its operations by registering with NSIC, MSME, and ISO. We introduced AC LED street lights to our product lineup and successfully completed a project supplying 5,000 AC lights.

In 2018, Sunrover was empaneled with IOCL and began manufacturing Solar Pumps. We achieved the installation of 1,000 Solar Pumps with the support of NGOs, Blocks, and Zila Panchayat.

In 2019, Sunrover started contracts with Railway NR/NCR and obtained a Class A Electric License.

In 2020, Sunrover undertook HT/LT Electrical Work, constructing 10 H.T. Sub Stations with capacities of 33/11 kVA, 11/.750 kVA, 11/.430 kVA and for Northern Central Railway (Agra/Jhunsi/Prayagraj).

In 2021, Sunrover achieved the installation of 1,000 kWp Solar Power Plants across the country.

In 2022, Sunrover Constructed RCC Overhead Tanks with capacities of 25 kL, 20 kL, and 15 kL, all equipped with Solar-Operated Pumps.

In 2023, Sunrover was empaneled with UPNEDA and successfully installed 1,000+ Solar high Mast Lights.



3

# Why Choose SUN ROVER?



# Professional Support

The Sunrover team offers the highest level of professional and technical support for both Pre-sales and After-sales service. Our team is well-trained and experienced in High-quality Solar Lighting and Solar Power Systems. We are ready to provide you with competitive Pricing and Reliable Quality. The Sunrover team is passionate, committed, and service-driven in our communications.



### Innovative Products

At Sunrover, we are continually updating and enhancing our products to ensure that we are well-positioned to accelerate new technologies as they emerge and to better serve our customers. We are motivated and inspired by how our valued customers utilize our highly engineered products to devise creative solutions to complex problems, achieve breakthrough scientific advancements, and stay ahead of the technological curve.

Innovation is at the heart of our corporate mission. We strive to provide state-of-the-art products and solutions that enable our customers to pioneer into the future. At Sunrover, we remain dedicated to improving our offerings to support our customers in navigating and leading in an ever-evolving technological landscape.



#### Territory Protection

Sunrover is continually seeking professional cooperation agreements with respected, long-term clients. We believe that an exclusive territory protection agreement is the most effective way to formalize this valued cooperation. Sunrover maintains a very transparent, albeit strict, marketing policy to protect the rights and markets of exclusive clients who hold territory protection agreements.

Sunrover will extend territory agreements to a limited number of clients within each territory. This selection process is based on the size of the territory and a mutual understanding of high-quality solar products and a professional marketing philosophy.



#### Committed to a better world with quality green energy.

By combining the best technology in lithium batteries, solar panels, LED sources, and advanced control systems, we offer the most reliable and high-efficiency solar lights for a wide range of applications. Our products are designed to reduce pollution and the cost associated with traditional resources.



#### 2020 HT/LT Electrical Work



After several months of bidding and numerous communications with the project party, despite strong competition from several peer companies in India, Sunrover successfully won the contract to undertake HT/LT electrical work. In 2020, Sunrover constructed 10 H.T. Sub Stations with capacities of 33/11 kVA, 11/.750 kVA, and 11/.430 kVA for Northern Central Railway (Agra/Jhunsi/Prayagraj). This project highlights Sunrover's capability in delivering robust and reliable electrical infrastructure solutions.

#### 2022 RCC Overhead Tanks



After years of dedicated effort, Sunrover achieved significant success in its infrastructure projects. In 2022, Sunrover completed the construction of RCC overhead tanks, each equipped with solar-operated pumps. This project demonstrates Sunrover's commitment to integrating sustainable solutions with practical infrastructure, enhancing water management through solar technology.



#### 2023 UPNEDA Project



In 2023, Sunrover was empaneled with UPNEDA and successfully installed 1,000 solar high mast lights. This project highlights Sunrover's commitment to providing reliable and high-quality lighting solutions. The successful deployment of these high mast lights in various locations underscores Sunrover's dedication to enhancing public lighting infrastructure, earning the trust of clients and stakeholders through proven stability and performance.

## Page of Catalog

06~11	Solar Street Light	
	<ul><li>* Semi Integrated Solar Street Light</li><li>* All-in-one Solar Street Light</li></ul>	
	Smart Solar Street Light	
12~15	High Mast Light	
	* Solar High Mast Light	
	* Solar Heritage High Mast Light	
16~19	Solar Pumps	
	* Solar Pump For Drinking Water	
	* Solar Irrigation Pump	
20~23	* Solar Irrigation Pump  Solar Power Plant	
20~23		
20~23	Solar Power Plant	
20~23	Solar Power Plant  * Solar Power Plant (On-Grid)	
20~23	Solar Power Plant  * Solar Power Plant (On-Grid)	

#### Remark



#### 26~27 **AC Lighting System** \* LED Street Lighting System **AC Tower Lighting** 28~29 \* High Mast Tower Lighting System (12.5 m) \* High Mast Tower Lighting System (16.0 m) \* High Mast Tower Lighting System (20.0 m) \* High Mast Tower Lighting System (30.0 m) \* High Mast Tower Lighting System (50.0 m) LT/HT Electrical Panels 30 \* VCB Panel \* ACB Panel \* APFC Panel **Transformers** 31 \* 250 kVA Transformer \* 500 kVA Transformer \* 800 kVA Transformer \* 1000 kVA Transformer

\* LED Tri-Strip Light

32~33

\* Thematic Lighting (Neon Based)

**Decorative LED Lights** 

<sup>1 :</sup> Scan right QR code to download catalog online. www.sunrover.org.in/catalog.pdf

<sup>2 :</sup> Scan the QR codes to download the data sheet of each product.

# Solar Street Lights



The Integrated Solar LED Street Light is researched and developed by the Sunrover Pvt Ltd. It's easy to be installed, with the free maintenance and long working life comes with all in one solution for Solar Street light having inbuilt Lithium-ion battery bank, LED lamp and Solar module and PIR Motion Sensor Enabled which ensure more working time and detect human movement to magnify or dim the light output and eventually saving battery life.

The Solar module Controller LED lamp and Lithium ion battery ALL in one, Integration Design

#### **Product Features**

Integrated design, beautiful, simple and convenient
Solar power supply, green environmental protection, zero emissions
Using new long-life battery, lithium ion the free maintenance for 3-5 years
The multifunction controller, more energy saving and lighting for longer
Professional street light secondary light distribution more uniform, No glare OSRAM LED
Surface anti-corrosion treatment and Ip65

Model name	SR-ISSL-12W	SR-ISSL-15W			
PV Module	40W12V Polycrystalline Inbuilt PV	75W12V Polycrystalline Inbuilt PV			
LED Wattage	12W	15W			
LED Chip	OSRAM/CREE/SEOUL	OSRAM/CREE/SEOUL			
View Angle	120 degree	120 degree			
PIR Motion Sensor	Inbuilt for di	mming			
Color Temperature	5000~6500K (Cool White) / 2	700~3500K (Warm White)			
Color Rendering Index > 70					
Life Time	Life Time >5 Years				
Battery Type/ Capacity	Lithium Ion battery / 1	1.1V/11000mAH			
Battery Life Time/Warra	anty 3 Years / 5	Years			
Charge Controller & LED	<b>Driver</b> MPPT type /PWM Driver wit	ch auto dimming to enhance working time			
<b>Electronics Warranty</b>	2 Years	S			
Circuit Protection	Overcharge, discharge, short circui	t, open load, lightning protection			
Autonomy	15 Hour	S			
Pole & Mounting	<b>Jounting</b> 5m/6m GI Pole				
Working	Dusk to Dawn o	peration			

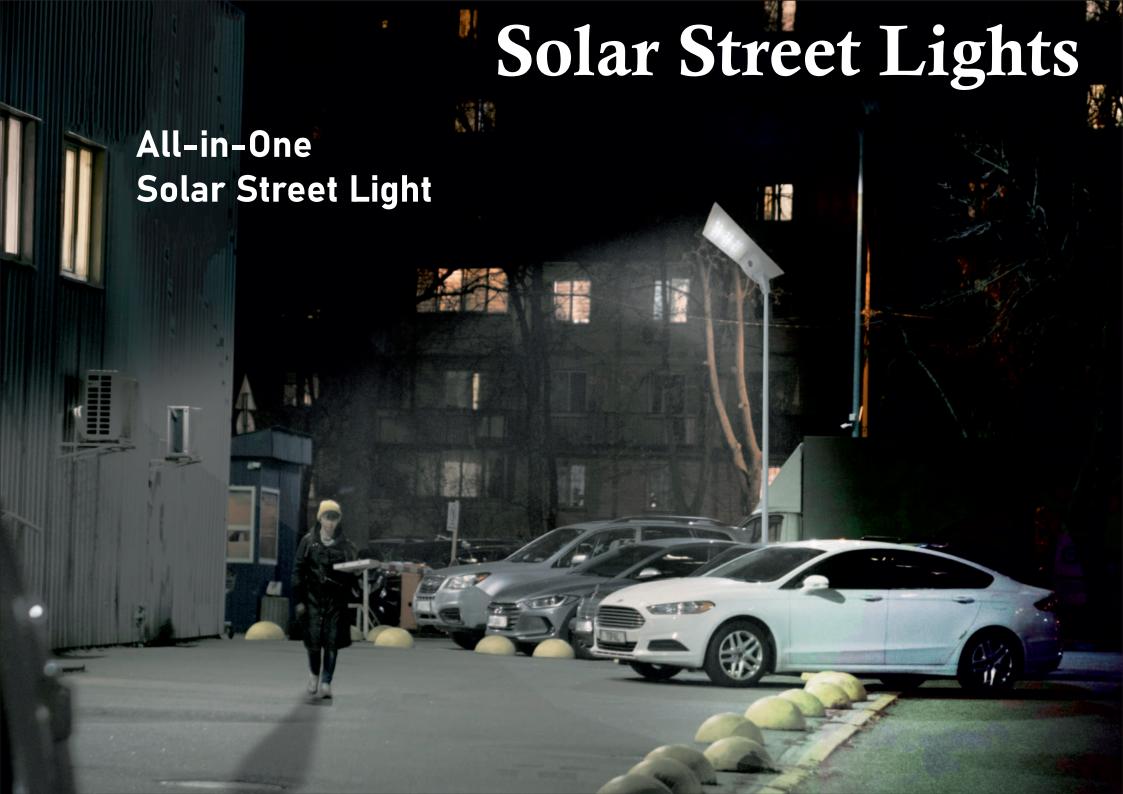
#### Semi Integrated Solar Street Light

#### **Model Name**

SR-ISSL-12W







#### All-in-One Solar Street Light



The Integrated Solar LED Street Light is researched and developed by the Sunrover Pvt Ltd. It's wireless and easy to be installed, with the free maintenance and long working life comes with all in one solution for Solar Street light having inbuilt Lithium-ion battery bank, LED lamp and Solar module and PIR Motion Sensor Enabled which ensure more working time and detect human movement to magnify or dim the light output and eventually saving battery life.

The Solar module Controller LED lamp and Lithium ion battery ALL in one, Integration Design

#### **Product Features**

Integrated design, beautiful, simple and convenient
Solar power supply, green environmental protection, zero emissions
Using new long-life battery, lithium ion the free maintenance for 3-5 years
The multifunction controller, more energy saving and lighting for longer
Professional street light secondary light distribution more uniform, No glare OSRAM LED
Surface anti-corrosion treatment and Ip65

Model name	SR-SSL-12W	SR-SSL-15W			
PV Module	40W12V Polycrystalline Inbuil	PV 75W12V Polycrystalline Inbuilt PV			
LED Wattage	12W	15W			
LED Chip	OSRAM/CREE/SEOUL	OSRAM/CREE/SEOUL			
View Angle	120 degree	120 degree			
PIR Motion Sensor	Inbuilt f	or dimming			
Color Temperature	5000~6500K (Cool White	e) / 2700~3500K (Warm White)			
Color Rendering Index		> 70			
Life Time	>5	Years			
Battery Type/ Capacity	Lithium Ion batter	ry / 11.1V/11000mAH			
Battery Life Time/Warra	inty 3 Year	s / 5 Years			
Charge Controller & LED	<b>Driver</b> MPPT type /PWM Driv	er with auto dimming to enhance working time			
<b>Electronics Warranty</b>	2	Years			
Circuit Protection	Overcharge, discharge, short of	circuit, open load, lightning protection			
Autonomy	nomy 15 Hours				
Dimension/ Weight	Dimension/ Weight 670x450x105mm / 9Kg approx				
Working Dusk to Dawn operation					

# Solar Street Lights



#### **Smart Solar Street Light**

#### **Model Name**

SR-Smart-40W



The Integrated Solar LED Street Light is researched and developed by the Sunrover Pvt Ltd. It's wireless and easy to be installed, with the free maintenance and long working life comes with all in one solution for Solar Street light having inbuilt Lithium-ion battery bank, LED lamp and Solar module and PIR Motion Sensor Enabled which ensure more working time and detect human movement to magnify or dim the light output and eventually saving battery life.

The Solar module Controller LED lamp and Lithium ion battery ALL in one, Integration Design

#### **Product Features**

Integrated design, beautiful, simple and convenient
Solar power supply, green environmental protection, zero emissions
Using new long-life battery, lithium ion the free maintenance for 3-5 years
The multifunction controller, more energy saving and lighting for longer
Professional street light secondary light distribution more uniform, No glare OSRAM LED
Surface anti-corrosion treatment and Ip65

Model name	SR-Smart-40W
PV Module	Poly/Mono-Si minimum 2 x 180 Wp/23Voc PV module Poly/Mono-Si
LED Wattage	40W
LED Chip	OSRAM/CREE/SEOUL
View Angle	120 degree
PIR Motion Sensor	Inbuilt for dimming
Color Temperature	5000~6500K (Cool White) / 2700~3500K (Warm White)
Color Rendering Index	> 70
Life Time	>5 Years
Battery Type/ Capacity	Lithium Ion battery / 11.1V/100Ah
Battery Life Time/Warran	ty 3 Years / 5 Years
Charge Controller & LED D	<b>Driver</b> MPPT type /PWM Driver with auto dimming to enhance working time
<b>Electronics Warranty</b>	2 Years
Circuit Protection	Overcharge, discharge, short circuit, open load, lightning protection
Autonomy	15 Hours
Pole & Mounting	6 m aluminum column with 2 m powder-coated housing and a 4 m vertical solar PV module above the battery.
Working	Dusk to Dawn operation



#### Solar High Mast Light



#### Popular Uses

For small streets, parking lots, arenas, public spaces, yards, open areas, rural lighting projects, hill Side lighting, hotel lawns etc

#### **Product Features**

Highly Efficient Solar LED Flood Lights -4Nos mounted on top of Pole Comes with Highest Lumens producing LED with Optics and without optics option for

Proper heat sink based luminary design for thermal management and higher LED life LED Used of higher lumens efficacy to achieve highest lumens output per watt LED USED- SAMSUNG/OSRAM/CREE

Comes with IP65/66 Standard of protection

Model name	SR-SHML-20W	SR-SHML-30W
PV Module	110W12V x 4Nos	150W x 4Nos
LED Wattage	20W x 4Nos	30W x 4Nos
LED Chip	OSRAM/CREE/SAMSUNG	OSRAM/CREE/SEOUL
View Angle	120 d	legree
Dimming	PWM Tim	e Enabled
Color Temperature	5000~6500K (Cool White)	/ 2700~3500K (Warm White)
Color Rendering Index	> 7	70
Life Time	>5 Y	ears
Battery Type/ Capacity	LiFePO4 52AH x 4N	los / 100AH x 4Nos
Battery Life Time/Warranty	3 Years /	5 Years
Charge Controller & LED Dr	iver MPPT type /PWM Driver	with auto dimming to enhance working time
Electronics Warranty	2 Ye	ears
Circuit Protection	vercharge, discharge, short cir	cuit, open load, lightning protection
Autonomy	28 Ho	ours
RMS Facility	Available (	Optional)
Working	Dusk to Daw	n operation
GI POLE (Tubular/Octagona	n) 7Mtr/9Mtrw	ith base plate



#### Solar Heritage High Mast Light



#### Popular Uses

For small streets, parking lots, arenas, public spaces, yards, open areas, rural lighting projects, hill Side lighting, hotel lawns etc

#### **Product Features**

Highly Efficient Solar LED Flood Lights -4Nos mounted on top of Pole Comes with Highest Lumens producing LED with Optics and without optics option for better uniformity

Proper heat sink based luminary design for thermal management and higher LED life LED Used of higher lumens efficacy to achieve highest lumens output per watt LED USED- SAMSUNG/OSRAM/CREE

Comes with IP65/66 Standard of protection

Model name	SR-SHHML-20W	SR-SHHML-30W
PV Module	110W12V x 4Nos	150W x 4Nos
LED Wattage	20W x 4Nos	30W x 4Nos
LED Chip	OSRAM/CREE/SAMSUNG	OSRAM/CREE/SEOUL
View Angle	120 c	legree
Dimming	PWM Tim	e Enabled
Color Temperature	5000~6500K (Cool White)	/ 2700~3500K (Warm White)
Color Rendering Index	>	70
Life Time	>5 Y	ears
Battery Type/ Capacity	LiFePO4 52AH x 4N	los / 100AH x 4Nos
Battery Life Time/Warranty	3 Years /	<sup>7</sup> 5 Years
Charge Controller & LED Dr	iver MPPT type /PWM Driver	with auto dimming to enhance working time
Electronics Warranty	2 Ye	ears
Circuit Protection O	vercharge, discharge, short cir	cuit, open load, lightning protection
Autonomy	28 H	ours
RMS Facility	Available (	Optional)
Working	Dusk to Daw	n operation
GI POLE (Tubular/Octagona	I) 7Mtr/9Mtr w	ith base plate



#### Solar Pump For Drinking Water

#### **Product Features**

Built in MPPT to maximize power use from solar panels

Inbuilt RMU for real time data logging and transmission

Fins for greater heat dissipation

Low voltage, tank empty, tank full, over current fault detection

Thermal overload shutdown to avoid damage to motor and controller

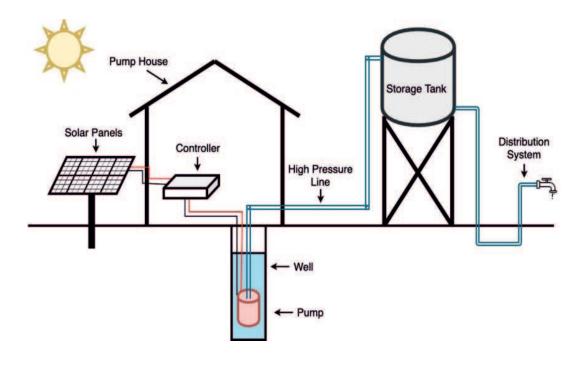
IP65 ingress protection

Model Name

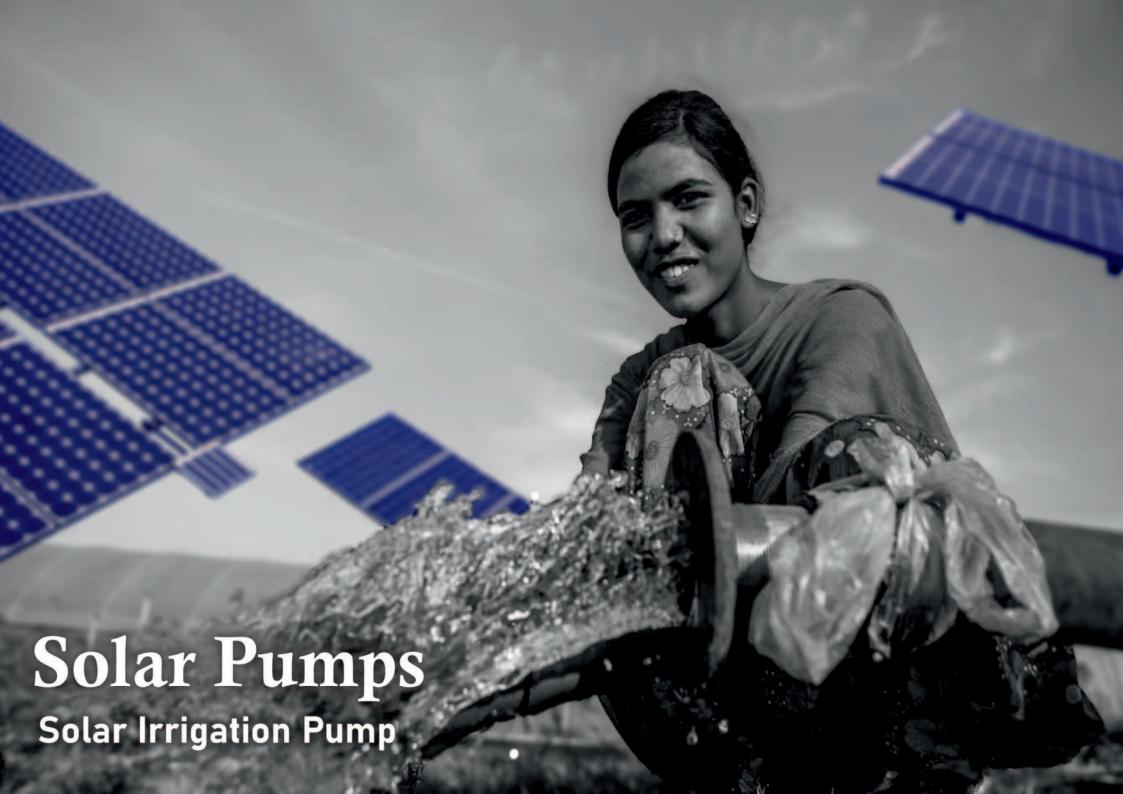
SR-SPD-1HP

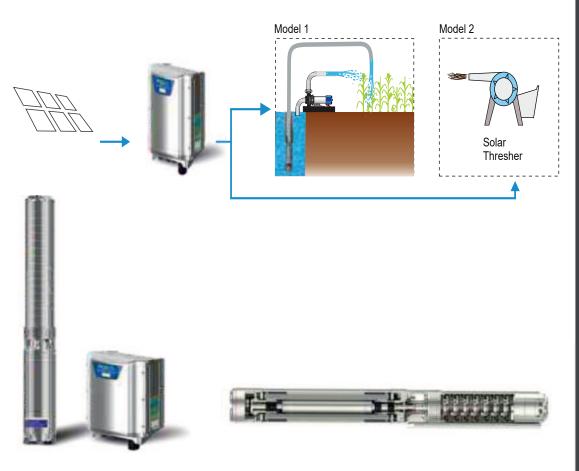
SR-SPD-2HP





Model name	SR-SIP-1HP SR-SIP-2HP			
Capacity	1hp 2hp			
Solar Panels	545 Watt x 2No. 545 Watt x 4No.			
Structure	GI-Structure			
VFD Controller (Optional)	Shakti , Delta			





Model name	SR-SIP-3HP	SR-SIP-5HP	SR-SIP-10HP
Capacity	3hp	5hp	10hp
Solar Panels	545 Watt x 6No.	545 Watt x 10No.	545 Watt x 18No.
Structure		GI-Structure	
VFD Controller (Option	nal)	Shakti , Delta	

#### **Solar Irigation Pump**

#### **Product Features**

Built in MPPT to maximize power use from solar panels

Inbuilt RMU for real time data logging and transmission

Fins for greater heat dissipation

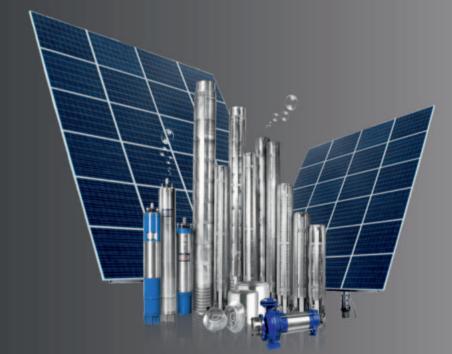
Low voltage, tank empty, tank full, over current fault detection

Thermal overload shutdown to avoid damage to motor and controller Ip65 ingress protection

#### **Model Name**

SR-SIP-3HP

SR-SIP-5HP





### **Power Plant On-Grid**









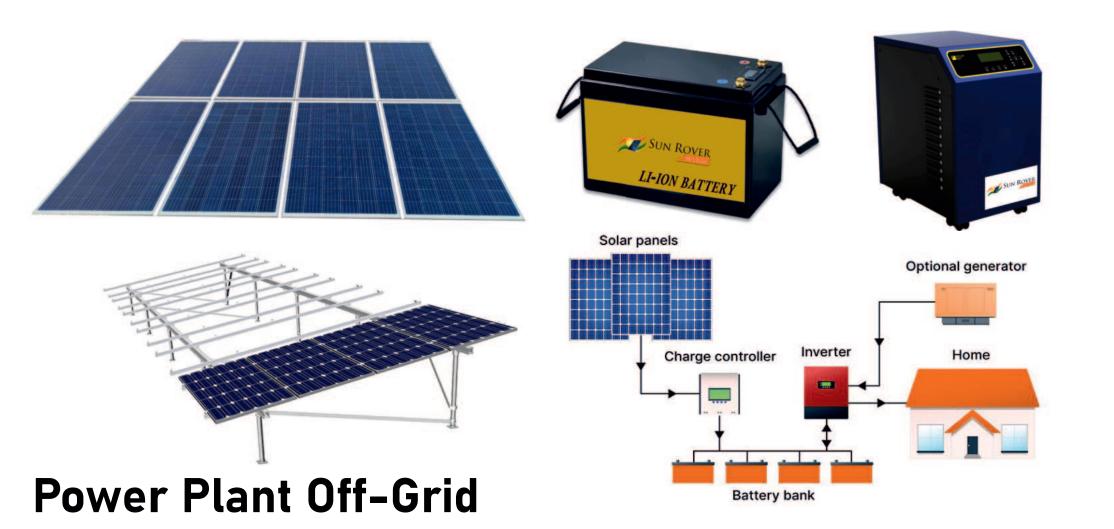




Model name	SRP-3KW	SRP-5KW	SRP-10KW	SRP-15KW
Capacity	3kW	5kW	10kW	15kW
Solar Panels	545 Watt x 6 No.	545 Watt x 10 No.	545 Watt x 18 No.	545 Watt x 28 No.
Structure	GI-Structure	GI-Structure	GI-Structure	GI-Structure
Inverter(Optional)	Luminous, Growatt, Sungrow	Luminous, Growatt, Sungrow	Luminous, Growatt, Sungrow	Luminous, Growatt, Sungrow



Model name	SRPO-3KW	SRPO-5KW	SRPO-10KW	
Capacity	3kW	5kW	10kW	
Solar Panels	545 Watt x 6 No.	545 Watt x 10 No.	545 Watt x 18 No.	
Structure	GI-Structure	GI-Structure	GI-Structure	
Inverter (Optional)	Luminous, Growatt, Sungrow	Luminous, Growatt, Sungrow	Luminous, Growatt, Sungrow	
Battery	150Ah x 4 No.	150Ah x 8 No.	150Ah x 12 No.	





#### **Solar LED Home Lighting System**



#### **About**

The Solar LED Home Lighting System is deigned to provide uninterrupted light by the use of Solar Energy in remote areas where power supply is not available during night time. It aims to provide light by means of 2 Power LED Luminary. The system provides 3 days of autonomy. Even additional feature such as Fan (D.C), Television (D.C.) can also be run by this system.

#### **Duration of Work**

Model-03 - 5-6 hours daily Model-06 - 5-6 hours daily Model-08 - 5-6 hours daily

#### **General Electrical Specifications**

Max Charging current- 6A Max. Load current- 6A

Load disconnect battery voltage-  $11\pm0.2$  volts or as required Load reconnect battery voltage-  $12.5\pm$  volts or as required Constant Charging Voltage-  $14.5\pm0.2$  volts or as required

Idle current consumption- Less than 10ma

Light Output- 600 lumens (each 9W CFL) and 900 lumens (each 11W CFL)

Model name	NESHL- 0307	NESHL- 0318	NESHL- 0626
Luminary & Fan (D.C)	3W/12V- 1Nos.	3W/12V- 2Nos.	6W/12V- 2Nos.
Battery	7.2Ah/12V- 1No.	18Ah/12V- 1No.	26Ah/12V- 1No.
Solar Panel	10W/12V-1No.	20W/12V-1No.	30W/12V-1No.
<b>Charge Controller</b>		6A-1No.	
A			

Accessories Solar module mounting frame, battery box, wire- 14mtr etc.



# **LED Street Lighting System**











#### General Electrical Parameters

Efficiency- >85%

Power factor- >0.9

Voltage Range- 145-270VAC

Surge Protection- 4KV

Open circuit Protection

#### **General Electrical Parameters**

Aluminum Die cast body

Toughened Glass front cover

Cable Gland for wire entry

Silicone based gasket for longer life

Inbuilt Reflector

#### **Test Certificates**

BIS Certified

LM-79

IP65/66/67 Tested

Model name	SRL-20LEDP	SRL-20LEDP						
Wattage	20-24W	32-35W	40-45W	50-54W	60-65W	70-72W	90-95W	110-120W
LED Type	1.5W 3030	1.5W 3030						
Lumens	2100	3300	5200	5200	6200	7200	8200	10500
Dimension	340x134x40	455x158x45	455x158x45	455x158x45	455x158x45	410x205x55	485x345x340	485x345x340
Weight	1.6Kg	2.5Kg	2.5Kg	2.5Kg	2.5Kg	2.7Kg	4.9Kg	4.9Kg
Warranty	2years	2years						
Packing	10Nos	10Nos	10Nos	10Nos	10Nos	10Nos	4Nos	4Nos

# AC Tower Lighting LED High Mast Tower Lighting



# **LED High Mast Tower Lighting**



#### **LED High Mast Tower Lights**

Sunrover Pvt Ltd LED High Mast Tower Lights are in Multi LED Chip model starting from 50W to 200W with 2years warranty save energy upto 50% on exiting Lighting fixtures.

## Why to Choose Sunrover LED High Mast Tower Lights

Having Wide range of wattage selection 50W to 200W in Sunrover high mast Light housing. Lumen package ranges from 4,700 to 19,000+ with efficacies of 80-100 lumens per watt. Effectively replaces retro fitted lighting products from 70-400W minimum.

COOOK Cool abits to dead and ADOOK and and abits to a situate

6000K Cool white is standard, 4000K natural white is available.

Minimum 80 CRI.

Fixtures are IP66 rated and suitable for use in ambient from -40°C to 40°C.

Rated system life of 80 - 100K hours for the driver.

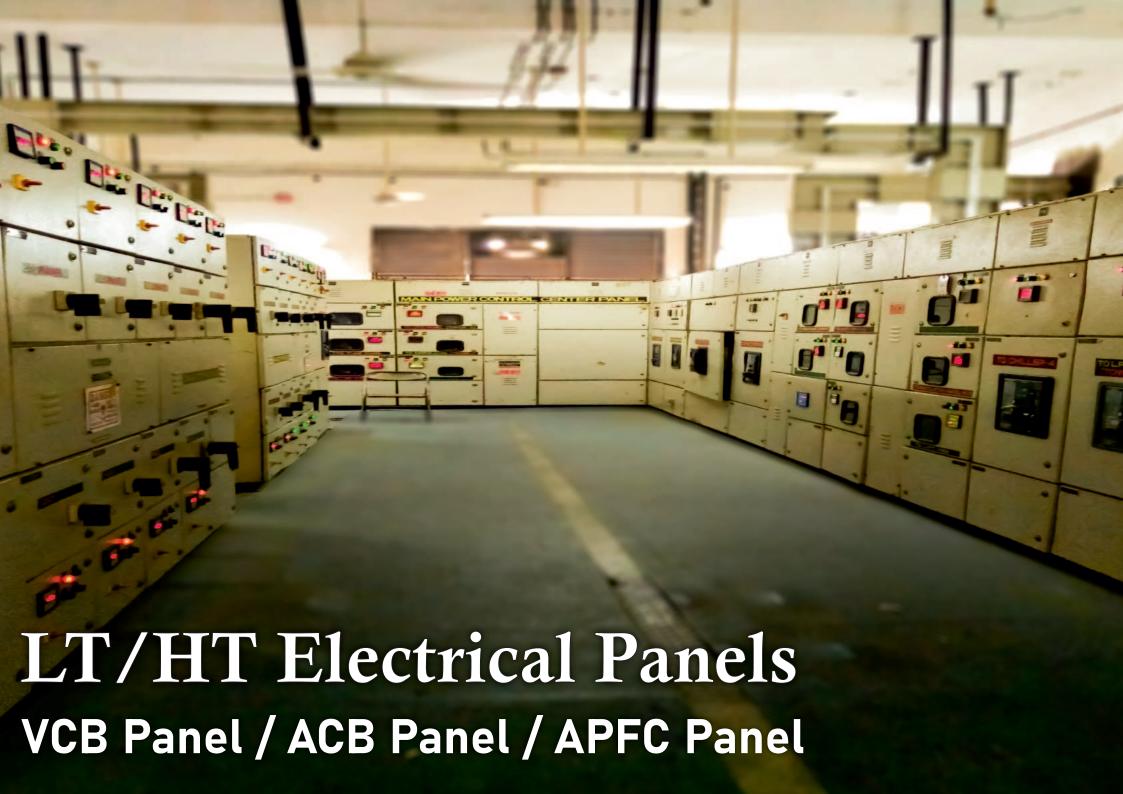
#### **Test Certificates**

**BIS Certified** 

LM-79

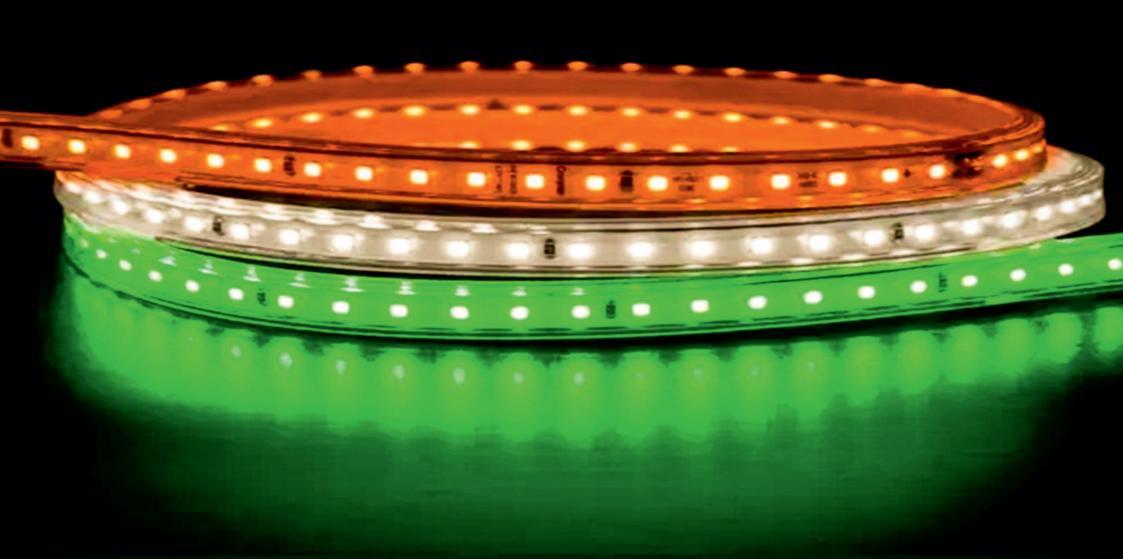
IP65/66/67 Tested

Model name	SRL-49LED	SRL-63LED	SRL-70LED	SRL-70LEDA
Wattage	50W	60W	70W	90W
LED Type	1.5WLED	1.5WLED	1.5WLED	1.5WLED
Lumens	5200	6200	7200	8700
Dimension	350x240x65	350x240x65	350x240x65	350x240x65
Weight	3.5kg	3.5kg	3.5kg	3.5kg
Warranty	2years	2years	2years	2years
Packing	3Nos	3Nos	3Nos	3Nos
Tower Size	12.5m / 16.0	m / 20.0m	/ 30.0m	/ 50.0m

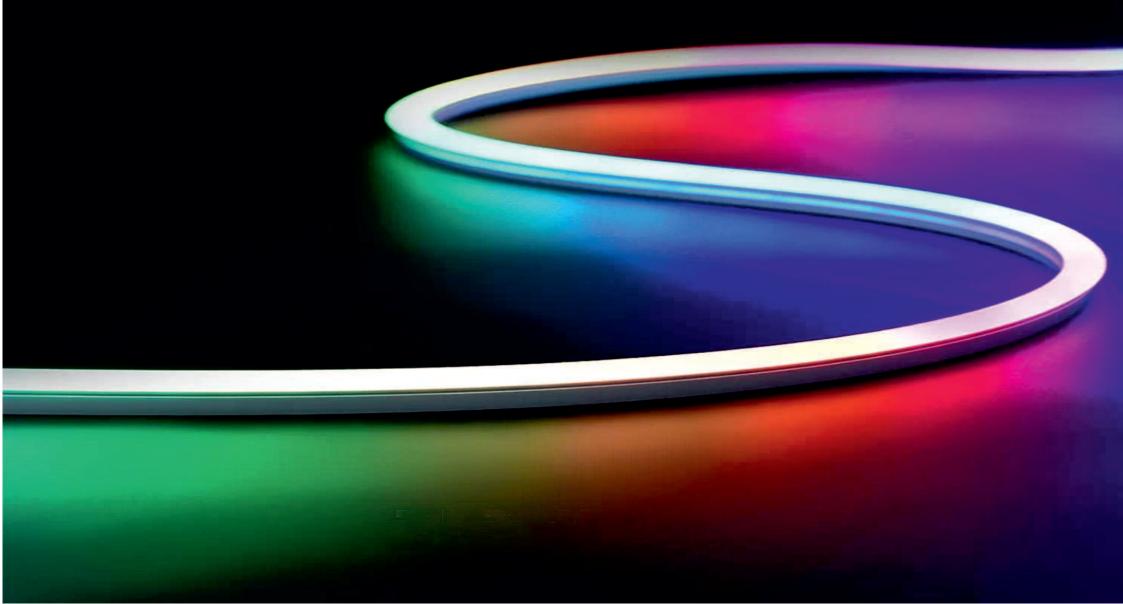




# Decorative LED Lights LED Tri-Strip Light



# Decorative LED Lights Thematic Lighting (Neon Based)













#### Sun Rover Solar Solutions Leading the Way in Solar Energy

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