



**Manufacturer Of
Solar & LED Products**

www.sssolargroup.com

About Company



Leading Street Light Manufacturing Company

S.S.Solar Energy (P) LTD is a trusted and innovative manufacturer specializing in advanced street lighting solutions including Solar LED Street Lights, LED Street Lights, Flood Lights, and Integrated Solar Lighting Systems. Established in 2008, the company has built a strong reputation for delivering reliable and energy-efficient lighting solutions across India.

With a modern manufacturing facility located in Noida, Uttar Pradesh, **S.S.Solar Energy (P) LTD** focuses on developing high-performance street lighting products that meet international quality standards. Our products are engineered to perform efficiently in diverse environmental conditions while delivering long-lasting illumination and energy savings.

The company is committed to promoting renewable energy solutions and sustainable lighting technologies that reduce electricity consumption and support environmental conservation. By integrating advanced LED technology with solar energy systems, we provide smart lighting solutions for roads, highways, public spaces, residential areas, and industrial zones.

Our manufacturing operations are supported by a dedicated research and development team that continuously works on improving product performance, durability, and energy efficiency. All our products are designed in compliance with MNRE guidelines, BIS standards, and ISO quality systems, ensuring reliability and safety.

With years of industry experience, **S.S.Solar Energy (P) LTD** continues to serve government departments, infrastructure projects, municipalities, and private organizations with high-quality lighting solutions that enhance public safety and sustainability.



Our Vision

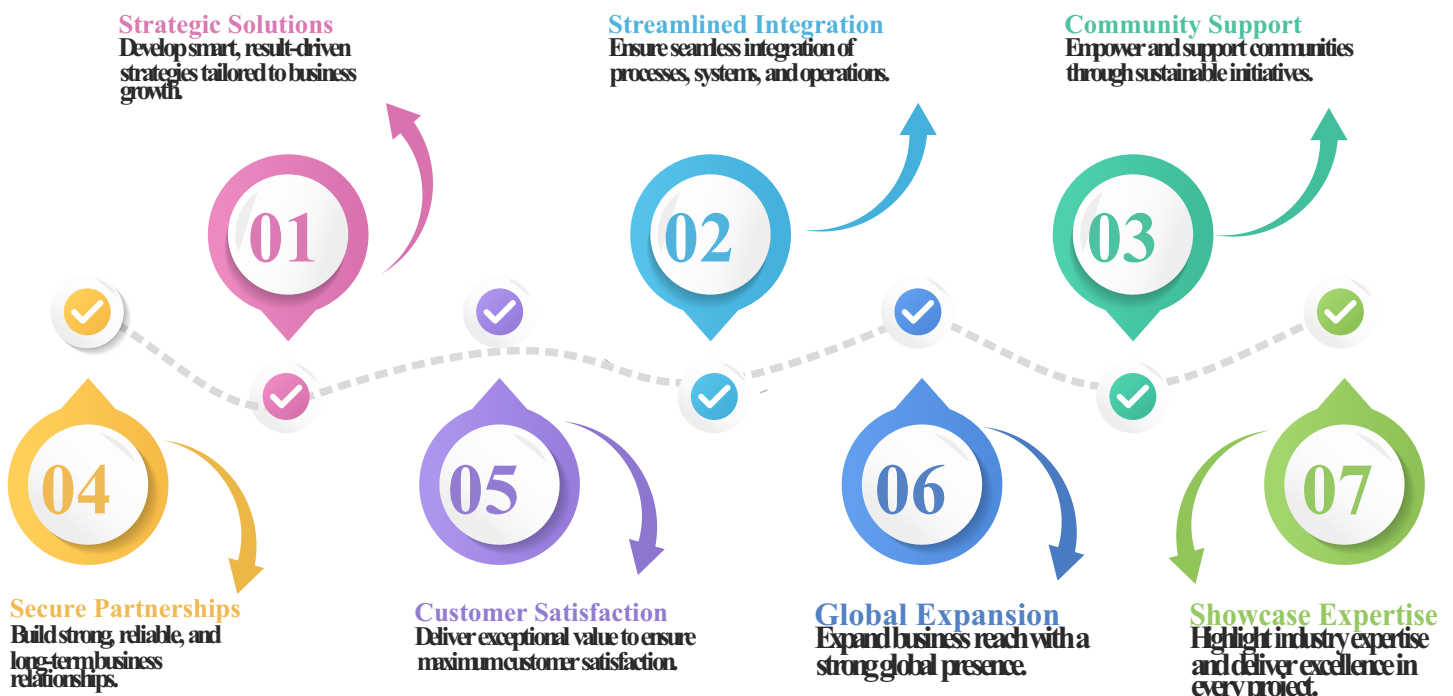
To be the leading provider of sustainable and energy-efficient street lighting solutions, empowering communities and cities with advanced, renewable energy technologies that contribute to a brighter, greener future.



Our Mission

Our mission is to provide energy-efficient street lighting solutions that enhance safety and sustainability. By combining solar energy with advanced LED technology, we aim to reduce energy consumption and promote environmental conservation.

STRATEGY



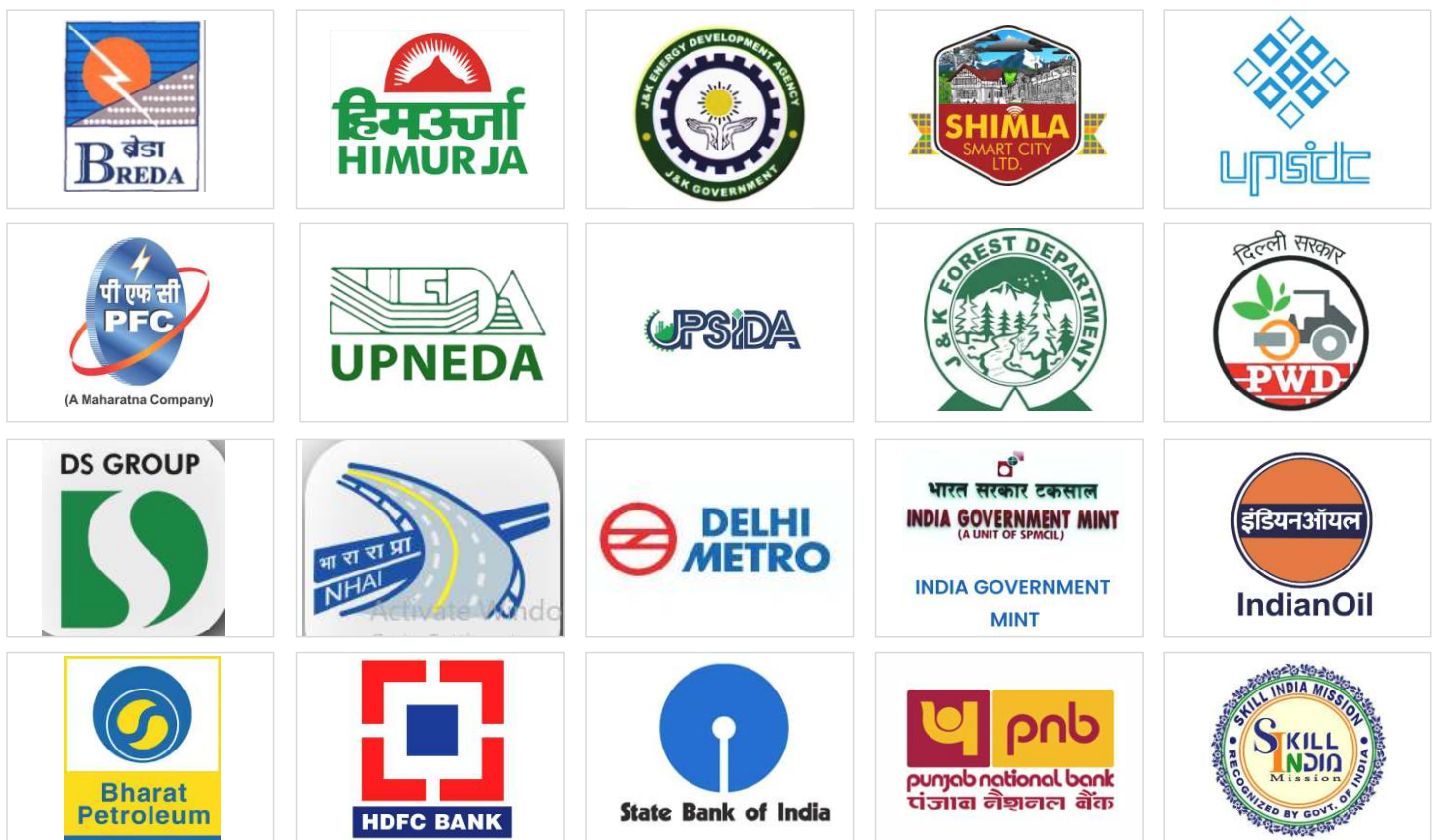
Our Certification

We are proud to be recognized by respected authorities and industry bodies. These accreditations highlight our dedication to maintaining high standards in every project we undertake.



Our Clients

We work with diverse clients across industries, delivering reliable solutions and building long-term relationships based on trust and quality.



Our Projects



**Himurja (Himachal Govt. Project)
50k+ Successfully Installed**



**Jakeda, 25k+ Successfully Installed
(J&k), Govt**



**BREDA, Authorized
(Manufacture in (Breda) Bihar Govt.)**



UREDA



Shimla Smartcity



POWER PLANT SHAMLI (U.P.)

Solar Street Lights Product



Our Accreditations



**MOST TRUSTED MANUFACTURER AWARD,
DEC. 2022 BY: Film Actor Sonali Bendre**



BUSINESS GLOBAL AWARD 2025



FILM ACTOR MUSTAQ KHAN



TV ACTOR TILLU BHAI



INDIA SOLAR & E-VEHICLE EXPO 2023



FILM ACTOR SHASHI SHARMA



EXHIBITIONS PARTICIPATED 2018 & 2019

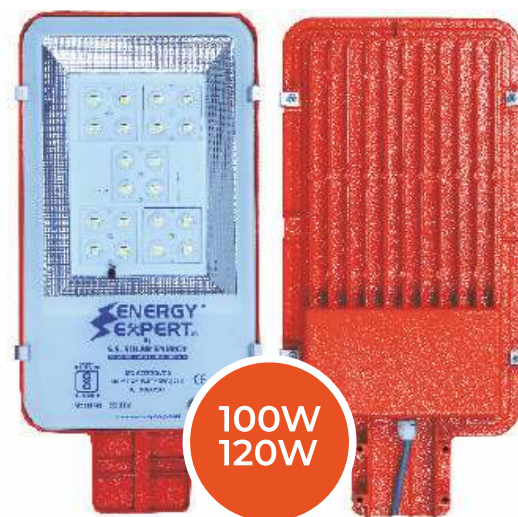


INDIA SOLAR & E-VEHICLE EXPO 2022

AC LED Street Lights

Our range of products includes

⚡ 30w - 250w
AC LED street lights.



Product Specifications:

Brand: Energy Expert	Power Factor: > 0.95CRI: >85%
BIS / PWD Approved	Lighting Color: Cool Daylight
Warranty: 2 Years	Body: High Pressure Aluminum Die-Cast
Input Voltage: 100V-320V	Standards: IP66, LM79, Lm80
LED: Edision/Osram	Driver Efficiency: > 90%
Lumen Output: 140 per watt	Protections: Surge & Over Voltage Protection
Frequency: 50 Hz	Color Temperature: 5000K-6500K
	Auto Dusk to Down



45W TO 50W



72W TO 120W



50W



90W TO 120W



172W TO 200W



60W TO 72W

LED FLOOD LIGHT

Our range of products includes
50w - 400w LED Flood Lights.



Product Specifications:

Brand: Energy Expert	CRI (Color Rendering Index): >85%
Warranty: 2-5 Years	Body: High Pressure Aluminum Die-Cast
Input Voltage: 100V-320V	Standards: IP 65, 66, 67,
LED: Edision/Osram	Driver Efficiency: > 90%
Lumen Output: 140 per watt	Protections: Surge & Over Voltage Protection
Frequency: 50 Hz	Color Temperature: 5000K-6500K
Power Factor: > 0.98 & 0.95	Auto Dusk to Down : Yes



50W TO 60W



300W TO 400W



300W



250W TO 300W

Solar Street Lights

Pioneers in the industry, we offer
9w-60w solar street light from India.



9W
60W

Product Specifications:

Brand: Energy Expert	Body Type: Aluminium Di-Cast
MNRE Approved	Ambient Temperature: -0°C to +45°C
IP Rating: Ip66	Customize Auto Dimming Feature
LED: Edision / Osram	Battery Over Charge, Battery Deep
Lumens Output: >120 per Watt	Discharge Reverse Battery
Input Voltage: 12V	Automatic Dusk to Down



7W TO 60W



7W TO 60W



7W TO 60W



W TO 6

Semi Integrated LED Street Light 2-in-1

Our product range includes a wide range of semi integrated light 2-in-1 From 9 w-40 w street light.



Product Specifications:

Brand: Energy Expert	IP66, LM79, Lm80
BIS / PWD Approved	Driver Efficiency > 90%
Warranty: 2-5 Years	Protections Surge & Over Voltage Protection
Input Voltage: 12.8V	Color Temperature 5000K-6500K
LED: Edision/Osram	Auto Dusk to Down
Lumen Output - 140 per watt	MPPT Technology Controller
Lighting Color Cool Daylight	Dimming Facility
Body High Pressure Aluminum Di-Cast	Over Charging Protection



Integrated All in One LED Street Light

Pioneers in the industry, we offer integrated All in one **9 w -30 w** light from India.



Product Specifications:

LUMINARY	9W	12W	18W	24W	30W
LUMENS	1260	1680	2520	3360	4200
SOLAR PANEL	40W	50W	60W	75W	75W
BATTERY PACK	12Ah LiPo4	18Ah LiPo4	24Ah LiPo4	30Ah LiPo4	36Ah LiPo4
SOLAR CHARGING TIME	6 Hours	-	-	-	-
LIGHTING TIM	2 Nights	-	-	-	-
WATERPROOF	Yes	-	-	-	-
MATERIAL	Aluminum Alloy	-	-	-	-
WORKING TEMPERATURE	-25°C to 65°C	-	-	-	-
LED WORKING LIFE	More than 50,000 hours	-	-	-	-
LED CHIP	15W (15 x 1W)	-	-	-	-
WARRANTY	5 years system	-	-	-	-
MOTION SENSOR (PIR)	YES	-	-	-	-
MODE	33% Brightness Run Mode, 100% PIR Mode	-	-	-	-
LED MAKE	Edison / Osram	-	-	-	-
CERTIFICATION	MNRE, LM79, Lm80, ISO	-	-	-	-
LED Driver Efficiency	90%	-	-	-	-



LITHIUM BATTERY (LiFePO4)

What is Lifepo4 battery?

The lithium iron phosphate battery or LFP battery, is a type of lithium-ion battery using lithium iron phosphate as the cathode material, and a graphitic carbon electrode with ametallic backing as the anode.



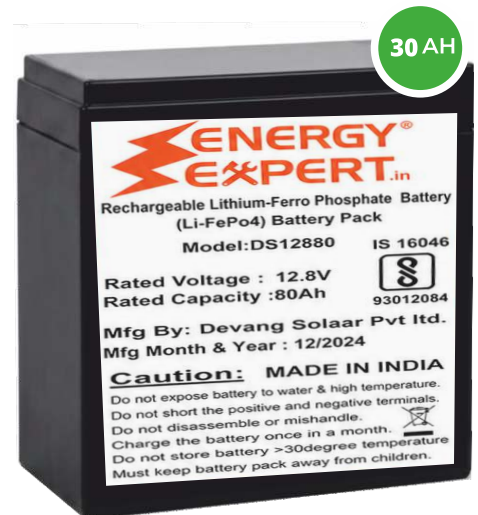
A Grade Cell BIS
Approved 2-5 Years
Warranty

FEATURES

CHARACTERISTICS

Lithium Iron Phosphate (LiFePO4) Battery
Safest lithium chemistry
High energy density 120-130kwh/kg
Efficient & long-lasting up to 7000+ cycles
Good high temperature performance
Excellent stability

Voltage: 3.2V, 6.4V, 9.6V, 12.8V, 25.6V, 51.2V
Capacity: 6Ah, 12Ah, 18Ah, 24Ah, 30Ah, 36Ah
42 Ah, 48Ah, 56Ah, 60Ah, 150Ah
Output: 10Wh ~ 2560Wh



connected from vvh up to mwh for renewable energy system.

Energy Storage System
Solar Energy Storage
Solar Street Lighting
Medical

Electric Vehicle (EV)
Telecom
Robotic
UPS



octagonal pole



Pole Height (Mtrs.)	5 Mtrs	7 Mtrs	9 Mtrs	10 Mtrs	11 Mtrs	12 Mtrs
Mateial of Cunstruction	BSEN 10025	BSEN 10025	BSEN 10025	BSEN 10025	BSEN 10025	BSEN 10025
Metal Protection treatment	H.D. Galvanisation	H.D. Galvanised	H.D. Galvanised	H.D. Galvanised	H.D. Galvanised	H.D. Galvanised
AvgThickness of Galvanisation	65 M icrons	65 Microns	65 Microns	65 Microns	65 Microns	65 Microns
Thickness of Sheet	3 mm	3 mm	3 mm	3 mm	3 mm	3mm
Thickness of Base Plate Bottom	16 mm	16 mm	20 mm	20 mm	20 mm	25 mm
Diameter	135 mm	150 mm	150 mm	200 mm	200 mm	240 mm
Top Diameter	65 mm	75 mm	75 mm	100 mm	100 mm	110 mm
Number of Foundation Bolts	4	4	4	4	4	4
PCD of Foundation Bolt	210 x 210 mm	75 240 x240 mm	240 x 240 mm	310 x 310 mm	310 x 310 mm	350 x 350 mm
Bolt Diameter	16 mm	16 mm 20 mm	20 mm	25 mm	25 mm	25 mm

OCTAGONAL POLE

STRONG | DURABLE | RELIABLE

Modern Pole Designs



Heritage Pole Designs



Bracket Designs



Hybrid Solar Inverter

Rated Power	11 kW
Phase	Single Phase
Technology	PPT
Battery Voltage	48V
Waveform	Pure Sine Wave
Max Solar Voltage	50 V
Application	



Built-in
wifi(optional)



Net Metering
Feed into Grid



LCD Display &
Function Buttons



Pure Sine
Wave

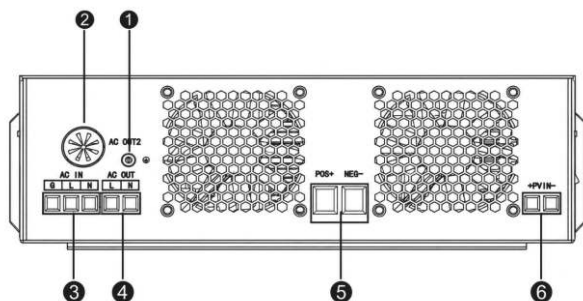


Overload
protections

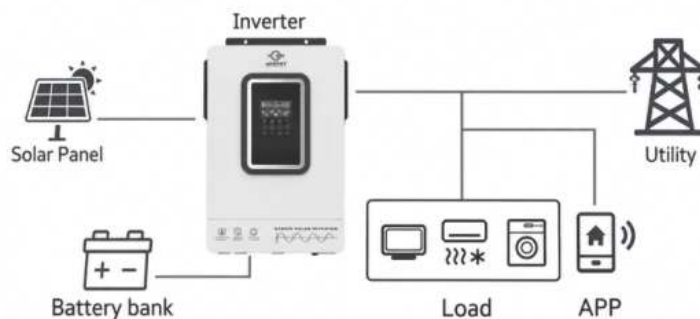


Short Cricuit
Protection

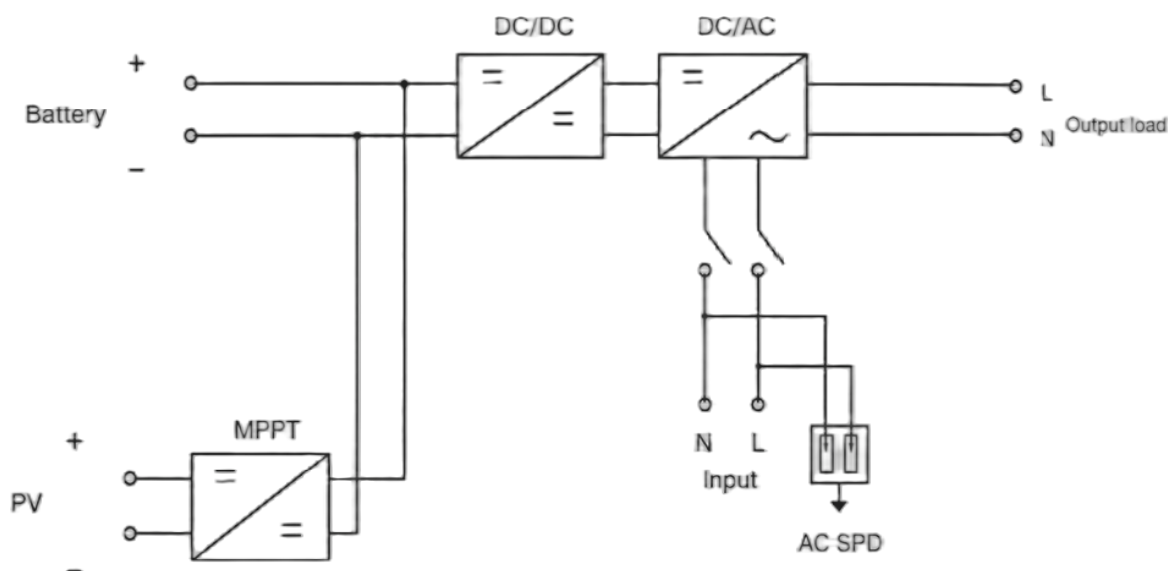
Connection Ports



Solar System Connection



Schematic Diagram





8 KW HYBRID SOLAR INVERTER

Rated Power	8 kW
Phase	Single Phase
Technology	MPPT
Battery Voltage	48V
Waveform	Pure Sine Wave
Max Solar Voltage	150V
Application	

6.2 KW HYBRID SOLAR INVERTER

Rated Power	6.2 kW
Phase	Single Phase
Technology	MPPT
Battery Voltage	48V
Waveform	Pure Sine Wave
Max Solar Voltage	150V
Application	



3.6 KW HYBRID SOLAR INVERTER

Rated Power	3.6 kW
Phase	Single Phase
Technology	MPPT
Battery Voltage	24V
Waveform	Pure Sine Wave
Max Solar Voltage	150V
Application	



250 KW



DELHI METRO



INDUSTRIAL ROOF TOP PROJECT

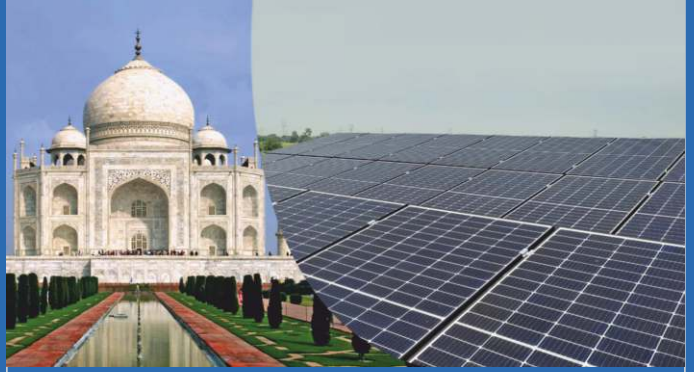


250 KW ON GRIP



COMPLITE IN MAY 2024

250 KW



AGRA NAGAR NIGAM



INDUSTRIAL ROOF TOP PROJECT



325 KW ON GRIP



COMPLITE IN MAY 2024

800 KW



Kisan Hatchery Kaithal



INDUSTRIAL ROOF TOP PROJECT



800 KW ON GRIP



COMPLITE IN MAY 2024

175 KW



UTTARAKHAND NAGAR NIGAM



INDUSTRIAL ROOF TOP PROJECT



175 KW ON GRIP



COMPLITE IN MAY 2024

AN ISO 9001:2015 Certified Company

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