

# Hellocon Engineering & Construction Pvt Ltd

COMPANY PROFILE

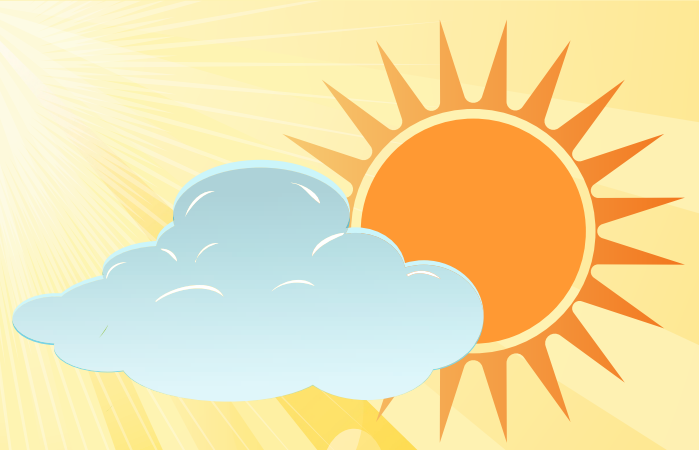


Global Leader  
**in Solar Energy**

# HELLOCON

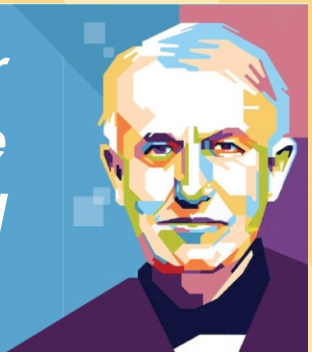
ENERGY BY NATURE

## ABOUT HELLOCON



- ☑ Hellocon Engineering and Construction Private Limited is an Indian Company. It was founded in 2018 in Odisha (India), to promote renewable energy in this Country. The company is committed to its quality and safety policies, creates immense value for its customers in terms of innovative and energy efficient engineering, on time completion & complete after sales support.
- ☑ Due to the current Dilemma of power source generation all over the world and encouraging to GO GREEN (Depending on Renewable Energy Sources) plus the advantage of being one of the best countries all over the world in Sun light intensity all over the year, Indian Government started to really encourage and direct investments in this sector which an effective solution to the shortage in power sources in India.
- ☑ We are a leading independent power producer & developer of solar energy with the mission to be the lowest cost power producer in India. We sell solar power on long term fixed price contracts to our customers at price which in many cases are at or below prevailing alternatives for these customers.
- ☑ Integrity  
We believe this is key to any successful relationship. It is important to Hellocon Engineering & Construction that our clients and team members have a strong foundation of trust in each other.
- ☑ Ethical Conduct  
We Believe this is the cornerstone of good business. We are committed to honestly and high morals in all dealings, both internally and externally.

***“I’d put my money on the sun and solar energy. What a source of power! I hope we don’t have to wait, till oil and coal run out before we tackle that”***



**Thomas Edison**



## Our Vision

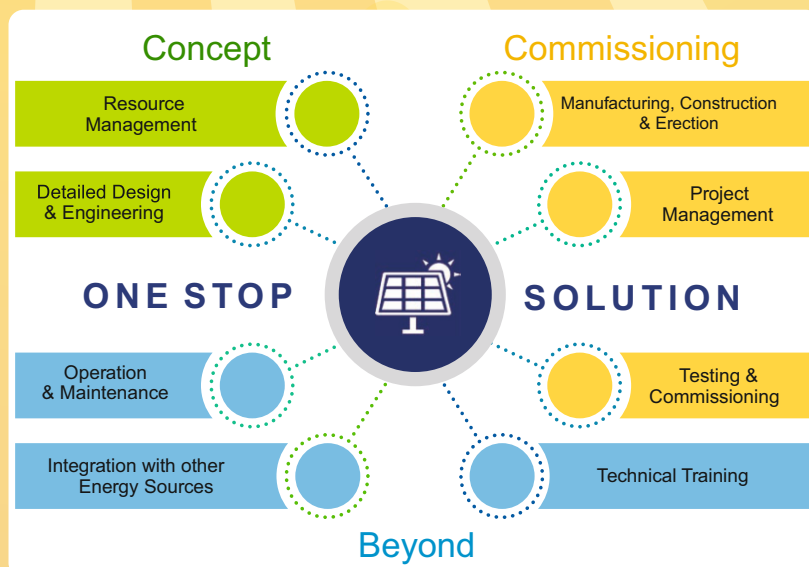
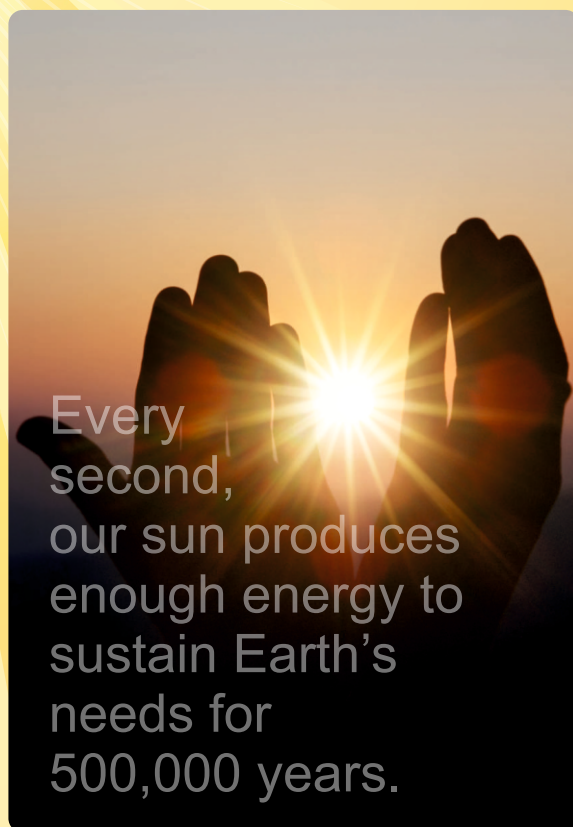
To be a global, innovative and competitive Renewable Energy Enterprise providing total solutions to customers of Renewable energy Products and services.

## Our Mission

To be a leading Renewable energy enterprise, providing superior quality products and services at competitive prices.

## What We do?

- ☑ Provide unique solutions and techniques to ensure the successful deliver of renewable and sustainable energy projects promptly.
- ☑ Deliver a value for our clients with creative, experienced and highly skilled engineering team in the design, installation, operation and maintenance of high quality sustainable energy solution.
- ☑ Produce solar Photovoltaic power plant in various application such as residential, industrial, commercial and agriculture.
- ☑ **Hellocon engineering & Construction** offers tailored solution according to the client best interest and needs.



## VALUE PROPOSITIONS



### Quality

Hellocon applies the international standard ISO 9001:2015 as a standard of quality assurance, as well as the international standard ISO14001:2004 as per sustainability and environment. Moreover, the products and electromechanical equipment supplied by the company have all necessary certifications and CE signing.



### Price Competitiveness

Competitive prices in all project ranges. Flexible paying methods compatible to each finance approval. The company's goal is to achieve the best quality / price relation, using economies of scale in favor of the investor.

HELLOCON's solar tracking systems have been delivered to more than 5 states in India throughout the last 5 years, demonstrating our expertise in significant challenges all around the world.



### Performance

Our team of experts are at the forefront of innovation when it comes to engineering the simplest and most optimized trackers on the market, along with their associated tools to enhance performance. Inspired by your project needs, we design competitive solutions that perform reliably throughout your plant's lifetime, so you benefit from high solar profits, durably.

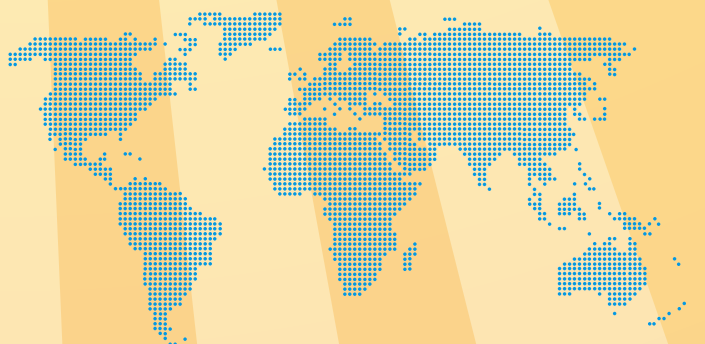


### History

Pioneer Company since 2018 in mounting systems. Proven knowhow in large scale projects. We have successfully completed more than 5,000 projects in India.

#### **Our Successfully Completed Projects:**

- Solar Water Pumping System (1 & 5 HP): More than 1,500 units, in Drinking water and Irrigation purpose.
- Solar Power Project: More than 10MW (On-grid & Off-grid)
- Solar Water heating system: More than 1700 units.
- Solar Street light: More than 3500 poles.





# CERTIFICATIONS

HELLOCON Engineering and Construction Private Limited currently holds certification for the ISO 9001:2015 (as a standard of quality assurance) and ISO14001:2015 as per sustain ability and environment, MSNE NISE and registered under Govt Scheme of Startup of India .



**Icv**

**Certificate of Registration**

This Certificate certify that the Management System of  
**HELLOCON ENGINEERING AND CONSTRUCTION PRIVATE LIMITED**  
D-60, Lane -2 , Phase - 2, Metro Satellite City, Hanspal, Bhubaneswar, Odisha - 752101, India  
has been audited by ICV and found to be  
in compliance with the requirements of the standard  
**ISO 9001 : 2015**  
(Quality Management Systems)  
This certificate is valid for  
the following scope:  
Designing, Material Supply, Installation, Testing & Commissioning of Solar Dual Pump  
Drinking Water Project, Solar Irrigation Water Supply Project, Solar Street Lighting  
System, Solar High Mast Light, EPC Project of ON-GRID & OFF-GRID Power Plants, Roof  
Top Solar Power Projects, Solar Fencing Work, Solar Water Heating System, Solar Home  
Lighting System, AC High Mast Light, AC Led Street Light, Road Construction, High Rise  
Building Construction, Bridge & Culvert Construction, Drinking Water Pipe Line Supply  
Project, Construction Of Drains, Import & Export Of Solar Panel, Pump, Inverters,  
Controllers & Other Accessories, Fabrication Of Steel Structure And Assembling Of All Led  
Lights.

Certificate No. :IN/414180092/2100  
Certificate Issue Date :17/07/2023  
1st Surveillance Due :17/06/2024  
2nd Surveillance Due :17/06/2024  
Date of Expiry :16/07/2026

**IAF** **EGAC**

CEO  
ICV ASSESSMENTS PVT. LTD.  
25, First Floor, Prabhu Complex, Shiva Market, Pitampura New Delhi - 110034  
+91 - 11-41548315, info@icvassements.com, www.icvassements.com

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System, Solar High Mast Light, EPC Project of ON-GRID & OFF-GRID Power Plants, Roof  
Top Solar Power Projects, Solar Fencing Work, Solar Water Heating System, Solar Home  
Lighting System, AC High Mast Light, AC Led Street Light, Road Construction, High Rise  
Building Construction, Bridge & Culvert Construction, Drinking Water Pipe Line Supply  
Project, Construction Of Drains, Import & Export Of Solar Panel, Pump, Inverters,  
Controllers & Other Accessories, Fabrication Of Steel Structure And Assembling Of All Led  
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Sample ID No: 2752916/MS/LED

Manufactured by: M/s. Sona Illumination Technologies Pvt. Ltd., Ahmedabad.  
Submitted by: M/s. Sona Illumination Technologies Pvt. Ltd., Ahmedabad.

S.N.	Test Description	MSDS Specifications	Manufacturer Claim	MSD Observation	Remarks
1	Photometric a. Beam diameter at 10m (mm) b. Beam diameter at 15m (mm) c. Beam diameter at 20m (mm) d. Beam diameter at 25m (mm) e. Beam diameter at 30m (mm) f. Beam diameter at 35m (mm) g. Beam diameter at 40m (mm) h. Beam diameter at 45m (mm) i. Beam diameter at 50m (mm)	Should be as per spec	Provided	Provided	
2	Beam diameter at 10m (mm)	Should be as per spec	Provided	Provided	
3	Beam diameter at 15m (mm)	Should be as per spec	Provided	Provided	
4	Beam diameter at 20m (mm)	Should be as per spec	Provided	Provided	
5	Beam diameter at 25m (mm)	Should be as per spec	Provided	Provided	
6	Beam diameter at 30m (mm)	Should be as per spec	Provided	Provided	
7	Beam diameter at 35m (mm)	Should be as per spec	Provided	Provided	
8	Beam diameter at 40m (mm)	Should be as per spec	Provided	Provided	
9	Beam diameter at 45m (mm)	Should be as per spec	Provided	Provided	
10	Beam diameter at 50m (mm)	Should be as per spec	Provided	Provided	

Note: Based on the testing conducted at NISE the system, the Solar Street Lighting System MEETS the performance requirement as per the revised MSDS Specifications for Model IV.

Tested By: Shishir Kumar  
Date: 18/07/23

Prepared By: Dr. Supra Chakraborty  
Date: 18/07/23

Authorized Signatory: Dr. Rajesh Kumar  
Date: 18/07/23

Issued By: [Signature]  
Name: [Name]  
Designation: [Designation]  
Date: 18/07/23

Test Report No.	Total No. of pages	Page No.
2752916/2017/MS/LED	4	3

#startupindia

CERTIFICATE NO: DIPP/1307/24

Government of India  
Ministry of Commerce & Industry  
Department for Promotion of Industry and Internal Trade

**CERTIFICATE OF RECOGNITION**

This is to certify that **HELLOCON ENGINEERING AND CONSTRUCTION PRIVATE LIMITED** incorporated as a Private Limited Company 05-06-2023 is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in Renewable Energy Industry and Renewable Solar Energy sector as self-certified by them.

This certificate shall only be valid for the Entity upon years from the date of its incorporation only if its turnover for any of the financial years has not exceeded ₹100 Cr.

20-07-2023  
DATE OF ISSUE

04-06-2033  
VALID UPTO

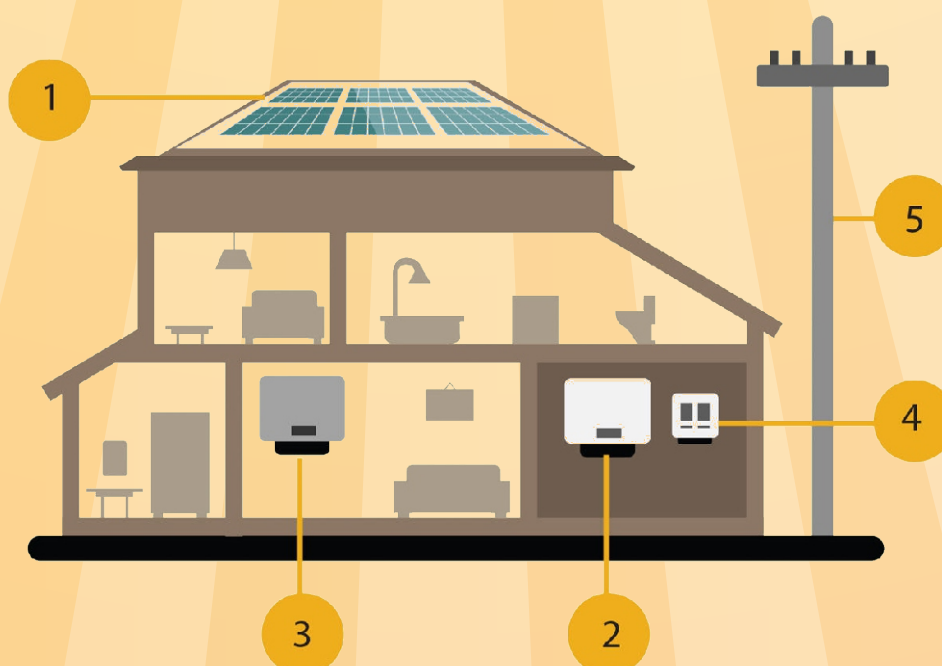


## SOLAR ENERGY

Energy from the sun that converted into electricity using Pv Panels.

### How Solar Energy System Works?

- ① Solar panels turn sunlight into DC Energy.
- ② Inverter converts the DC energy to AC electricity.
- ③ Service Panel distributes power where needed through your home.
- ④ Utility meters track energy produced and energy used.
- ⑤ Grid connection ensures access to continuous power at light.





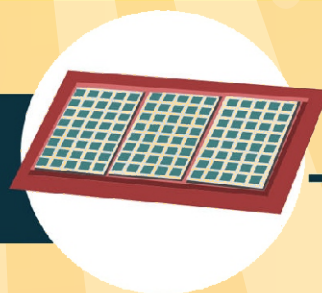
## On-Grid System

You don't have to worry about storing any energy; the grid will usually be there to make sure all the loads can run when the user wants them.

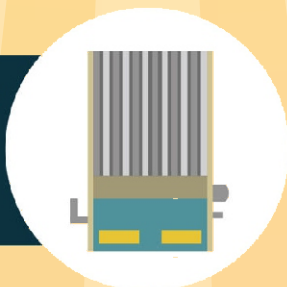
ON-Grid Applications:

- Solar Home System.
- Feed in Tariff (FIT).

Solar panels convert sunlight into DC power (12 v to 24 v)



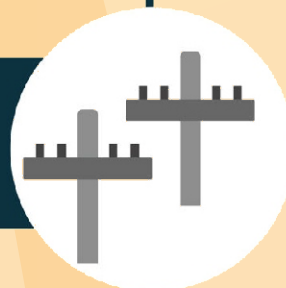
The inverter converts DC power into 240 volt AC power for household use



When solar production exceeds home consumption the meter measures your export and your account will receive a credit



Any surplus electricity simply flows back into the mains grid for use elsewhere



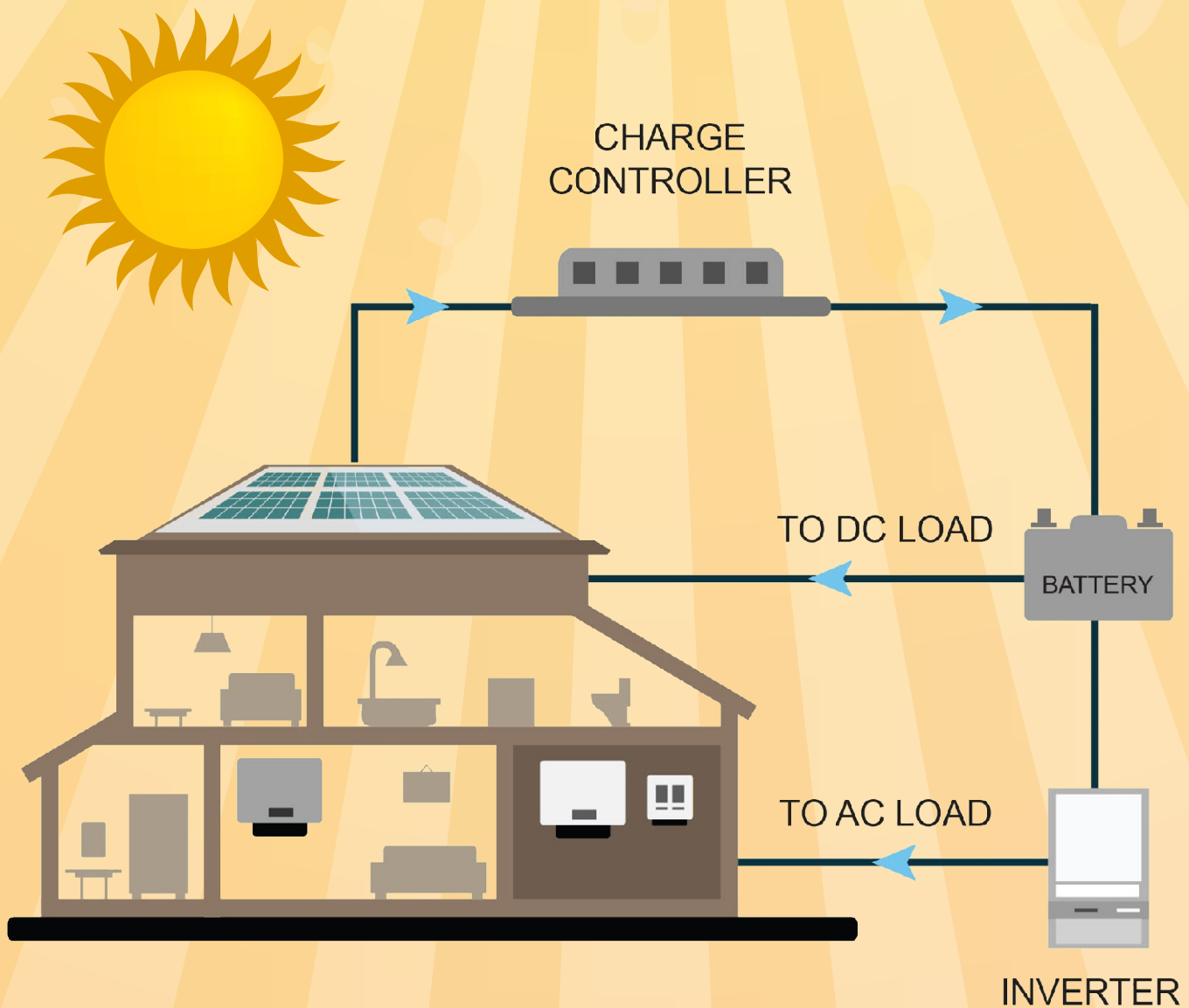
## Off-Grid System

Off-grid can be stand alone power system or mini-grids typically to provide a smaller community with electricity.

Off-grid solar power also stores DC electricity in batteries.

### Off-Grid Applications

- Solar Home systems
- Solar water pumping systems.
- Solar Battery charging systems.
- Solar power traffic lighting system.



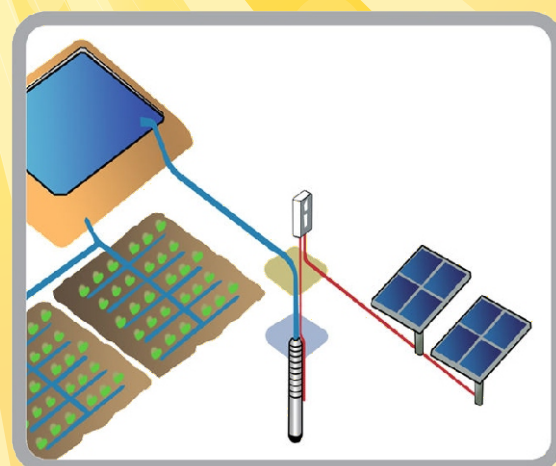


## Solar Water Pumping System

### For Irrigation

The need to irrigate agricultural land efficiently, economically and sustainably is critical for food security. Costs for irrigation using diesel power are rising at >10% per year.

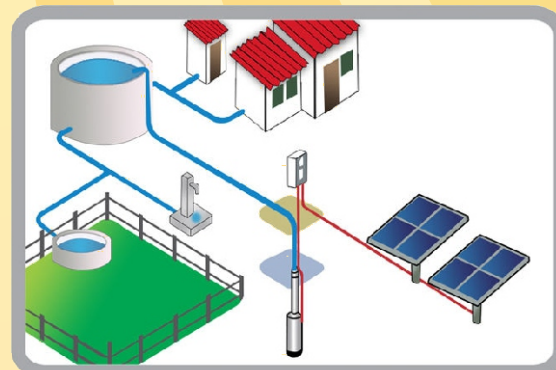
Solar irrigation solutions are a very attractive alternative to diesel powered pumping and support sustainable agriculture.



### For Drinking Water

Access to clean, reliable water supply is critical for the survival of humans and animals. Grounded water sources offer a cleaner and reliable supply for drinking water.

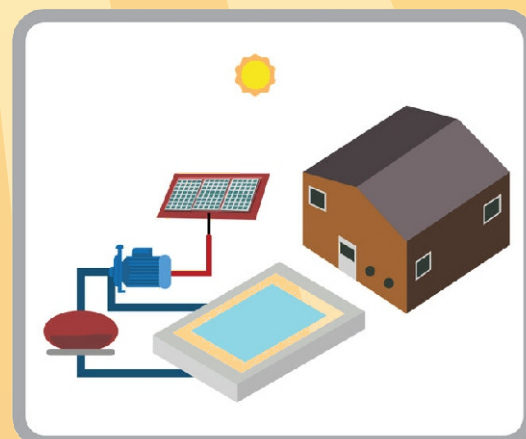
Solar pumping products deliver drinking water to people and livestock economically and reliably.



### For Swimming Pools

For homes with swimming pools, circulation and filtration pumps used to keep pools clean are typically the second biggest consumers of electricity.

Pool pumps are a compelling proposition for homeowners and commercial pool operators in a sector where operating costs need to be minimized.





## Reference Projects





## Reference Projects



\* Photos from our latest Projects



## Reference Projects





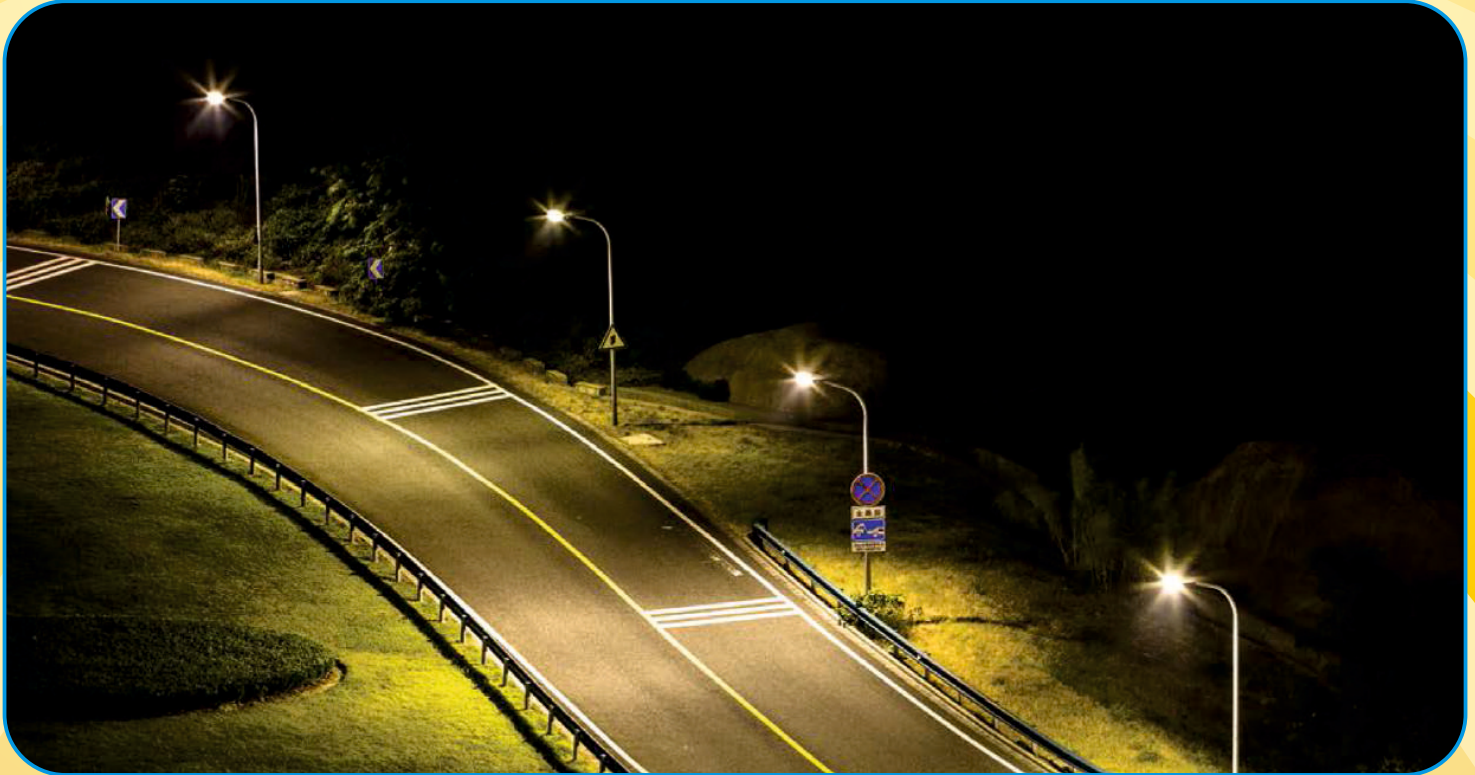
## Reference Projects



\* Photos from our latest Projects



## Reference Projects





## Reference Projects



\* Photos from our latest Projects



# Solar Products

## Semi Integrated Solar LED Street Light

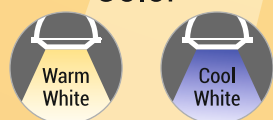


Li-FePO4

PRODUCT CODE	H-SSL-12	H-SSL-15	H-SSL-18	H-SSL-24	H-SSL-30	H-SSL-45	H-SSL-60
Watt	12W	15W	18W	24W	30W	45W	60W
Solar Panel	40W	40W	50W	75W	75W	115W	150W
Output Lumens	>100 lm/W	>100 lm/W	>100 lm/W	>100 lm/W	>100 lm/W	>100 lm/W	>100 lm/W
CRI	> 70	> 70	> 70	> 70	> 70	> 70	> 70
Driver Efficiency	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%
IP Rating	≥ 66	≥ 66	≥ 66	≥ 66	≥ 66	≥ 66	≥ 66
Dimension	350X200X90 mm	350X200X90 mm	350X200X90 mm	350X200X90 mm	350X200X90 mm	370X200X90 mm	410X220X120 mm
Weight	2.8 Kg	2.8 Kg	3.1 Kg	3.5Kg	4.2Kg	4.9 Kg	5.5 Kg
ID	42 mm	54 mm	54 mm	54 mm	54 mm	54 mm	54 mm

### Driver Features

#### Color



Intelligent dimming during monsoon | 2 Stage Battery Level Indication | Over Voltage Protection | Reverse Polarity Protection | Over Charging and deep discharging Protection | Extra Battery Zero voltage Protection | General Dimming also Available | Charging and Low Battery Indication | Dusk to Down | Fast Charging | No Battery Theft | Maintenance Free





# Solar Products

## Integrated Solar Street Light (All in one)



PRODUCT CODE	H-SSLA-12	H-SSLA-15	H-SSLA-18
Watt	12W	15W	18W
Solar Panel	40W	40W	50W
Output Lumens	>100 lm/W	>100 lm/W	>100 lm/W
CRI	> 70	> 70	> 70
Driver Efficiency	> 85%	> 85%	> 85%
IP Rating	≥ 66	≥ 66	≥ 66
Dimension	665X460X55 mm	665X460X55 mm	665X460X55 mm
Weight	9.8 Kg	9.8 Kg	9.8 Kg

PRODUCT CODE	H-SSLA-24	H-SSLA-30	H-SSLA-40
Watt	24W	30W	40W
Solar Panel	60W	60W	75W
Output Lumens	>100 lm/W	>100 lm/W	>100 lm/W
CRI	> 70	> 70	> 70
Driver Efficiency	> 85%	> 85%	> 85%
IP Rating	≥ 66	≥ 66	≥ 66
Dimension	665X620X60 mm	665X620X60 mm	800X700X60 mm
Weight	11.0 Kg	11.5 Kg	13.2 Kg



PRODUCT CODE	H-SSLA-60
Watt	60W
Solar Panel	150W
Output Lumens	>100 lm/W
CRI	> 70
Driver Efficiency	> 85%
IP Rating	≥ 65
Dimension	1710X600X50 mm
Weight	32.0 Kg



Li-FePO4

Color



### Driver Features

Intelligent dimming during monsoon | Battery Level Indication 3 Phase Charging algorithm | Over Voltage Protection | Reverse Polarity Protection | Over Charging and deep discharging Protection | Extra Battery Zero voltage Protection | General Dimming also Available | Charging and Low Battery Indication | Dusk to Down | Fast Charging | No Battery Theft | Maintenance Free

### Other Features

- Intelligent sensor for cloudy weather
- Single Piece MCPCB with Thermal Pads
- High Pressure Aluminium DieCast
- >50000 Hrs Working Life
- Secondary optics for better light distribution
- Impact resistance: IK07





## Reference Projects





## Reference Projects



\* Photos from our latest Projects



## Reference Projects





## AC Outdoor Products

## AC LED Street Lights



PRODUCT CODE	H-SL-20	H-SL-24	H-SL-30	H-SL-50
Watt	20W	24W	30W	50W
Input Range	110-290 V	110-290 V	110-290 V	110-290 V
Output Lumens	>110 lm/W	>110 lm/W	>110 lm/W	>110 lm/W
CRI	> 70	> 70	> 70	> 70
THD	< 15%	< 15%	< 10%	< 10%
Driver Efficiency	> 85%	> 85%	> 85%	> 85%
IP Rating	≥ 65	≥ 65	≥ 65	≥ 66
Dimension	305X95X55 mm	343X135X60 mm	343X135X60 mm	382X155X65 mm
Weight	505 gm	860 gm	860 gm	1.2 Kg
ID	42 mm	54 mm	54 mm	54 mm

Color



### Application

Residential Complex, Small trac round - about, Lighting of secondary roads / side roads, Parks & gardens, Security lighting

## AC LED Street Lights

PRODUCT CODE	H-SL-72	H-SL-100	H-SL-120
Watt	72W	100W	120W
Input Range	110-290 V	110-290 V	110-290 V
Output Lumens	>110 lm/W	>110 lm/W	>110 lm/W
CRI	> 70	> 70	> 70
THD	< 10%	< 10%	< 10%
Driver Efficiency	> 85%	> 85%	> 85%
IP Rating	≥ 66	≥ 66	≥ 66
Dimension	431X194X66 mm	435X200X95 mm	435X200X95 mm
Weight	1.7 Kg	2.4 Kg	2.5 Kg
ID	52 mm	60 mm	60 mm



Color



### Application

City roads / Highways, Periphery / Security lighting, Industry campuses, Parking areas, Parks and Gardens





## AC Outdoor Products

## AC LED Street Lights



PRODUCT CODE	H-SL-150	H-SL-200
Watt	150W	200W
Input Range	110-290 V	110-290 V
Output Lumens	>110 lm/W	>110 lm/W
CRI	> 70	> 70
THD	< 10%	< 10%
Driver Efficiency	> 85%	> 85%
IP Rating	≥ 66	≥ 66
Dimension	535X263X100 mm	535X263X100 mm
Weight	2.7 Kg	2.8 Kg
ID	64 mm	64 mm

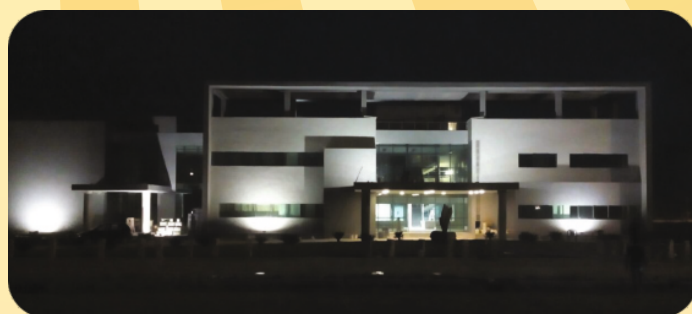
### Application

Color



Residential Complex, Small tract round - about, Lighting of secondary roads / side roads, Parks & gardens, Security lighting

## AC Flood Lights

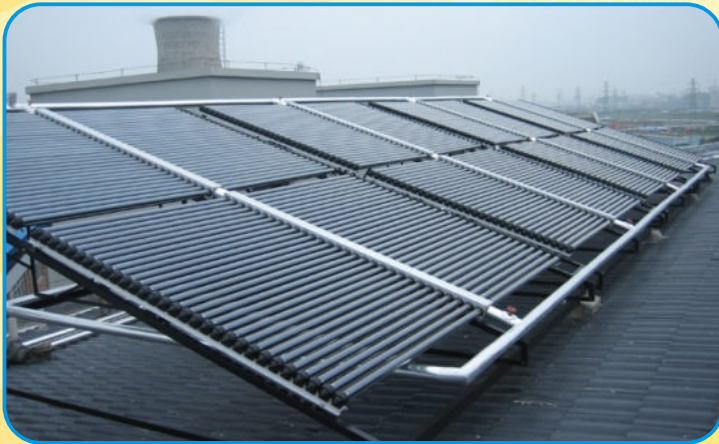


PRODUCT CODE	H-FL-30	H-FL-50	H-FL-72	H-FL-100	H-FL-150	H-FL-200
Watt	30W	50W	72W	100W	150W	200W
Input Range	110-290 V	110-290 V	110-290 V	110-290 V	110-290 V	110-290 V
Output Lumens	>110 lm/W	>110 lm/W	>110 lm/W	>110 lm/W	>110 lm/W	>110 lm/W
CRI	> 70	> 70	> 70	> 70	> 70	> 70
THD	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
Driver Efficiency	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%
IP Rating	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 66
Dimension	194X165X49 mm	245X212X54 mm	286X257X62 mm	286X257X62 mm	348X312X62 mm	348X312X62 mm
Weight	850 gm	1.3 Kg	1.9 Kg	2.1 Kg	2.8 Kg	3 Kg





## Reference Projects



\* Photos from our latest Projects



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in Solar Energy

# HELLOCON

ENGINEERING & CONSTRUCTION  
PRIVATE LIMITED

Energy by Nature



**SERVICE &  
MAINTENANCE**

CALL US

**1800 890 3534**



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