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[www.pvpower.in](http://www.pvpower.in)

# ABOUT US

The advertisement features a large image of solar panels on a roof under a blue sky with clouds. Three inset images show workers installing panels. The text 'LET THE SUN PAY YOUR BILLS' is prominently displayed. The PV POWER logo and tagline are in the top right. A green bar at the bottom contains the word 'Certified' and various certification logos including #startupindia, ISO, and government departments.

LET THE  
**SUN PAY**  
**YOUR BILLS**

**PV POWER**<sup>TM</sup>  
THE FINAL CHOICE

**ABOUT US**

PV POWER is a young, vibrant firm dedicated to ensuring and establishing a sustainable future for our energy needs by utilizing solar energy. All types of solar projects are designed, consulted on, EPC'd, INC'd and financed by us. With our high-tech Solar solutions, we enable homes, businesses, schools, colleges, and hospitals become energy self-sufficient.

Certified

#startupindia ISO  
GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
MINISTRY OF CORPORATE AFFAIRS  
MSME

We take great pleasure in introducing ourselves as one of the reputed and well established organizations in the field of solar energy. We provide solar energy solutions with our EPC - INC services to various industries, institutes, offices, households, schools and other solar companies. We have completed more than 100 solar rooftop projects with an aggregate capacity of 1MW.

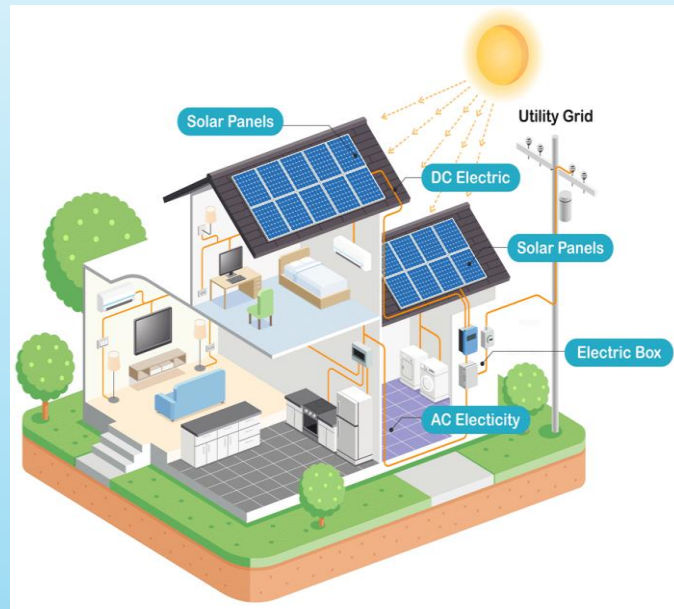
PV POWER is a rapidly emerging, vibrant firm dedicated to ensuring and establishing a sustainable future for our energy needs by utilising solar energy.

We are an independent solar consulting firm that offers design, consultation, EPC, and INC services for all types of solar projects. With our high-tech Solar solutions, we enable homes, businesses, schools, colleges, and hospitals become energy self-sufficient.

## UNIQUE SELLING POINT

- MPEB Vender No.-2486
- **Doing Government Project example -**
  - AICTSL Smart city, INDORE
  - Anganwadi , Dhar
  - Badwah Hospital
  - Sanawad Hospital
- MCA Registration Private Limited Company  
CIN - U40106MP2021PTC058475
- Website – [www.pvpower.in](http://www.pvpower.in)
- Insurance- Insurance with Oriental Insurance Company, Gov. .
- Finance- Finance with Nationalised Bank Like PNB, SBI and Private Finance.

# TYPES OF SOLAR SYTEMS



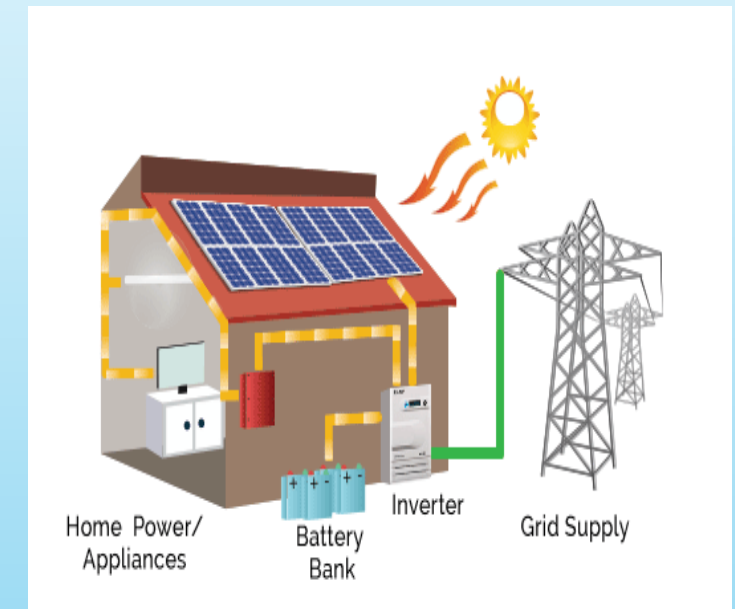
## On-Grid System

The on-grid solar system also known as grid tie or connected solar system. In this solar system, solar inverter converts the DC electricity produced by solar panel into AC electricity.



## Off-Grid System

Off-grid systems work independently of the grid but have batteries which can store the solar power generated by the system. The system usually consists of solar panels, battery, charge controller, grid box, inverter, mounting structure and balance of systems.

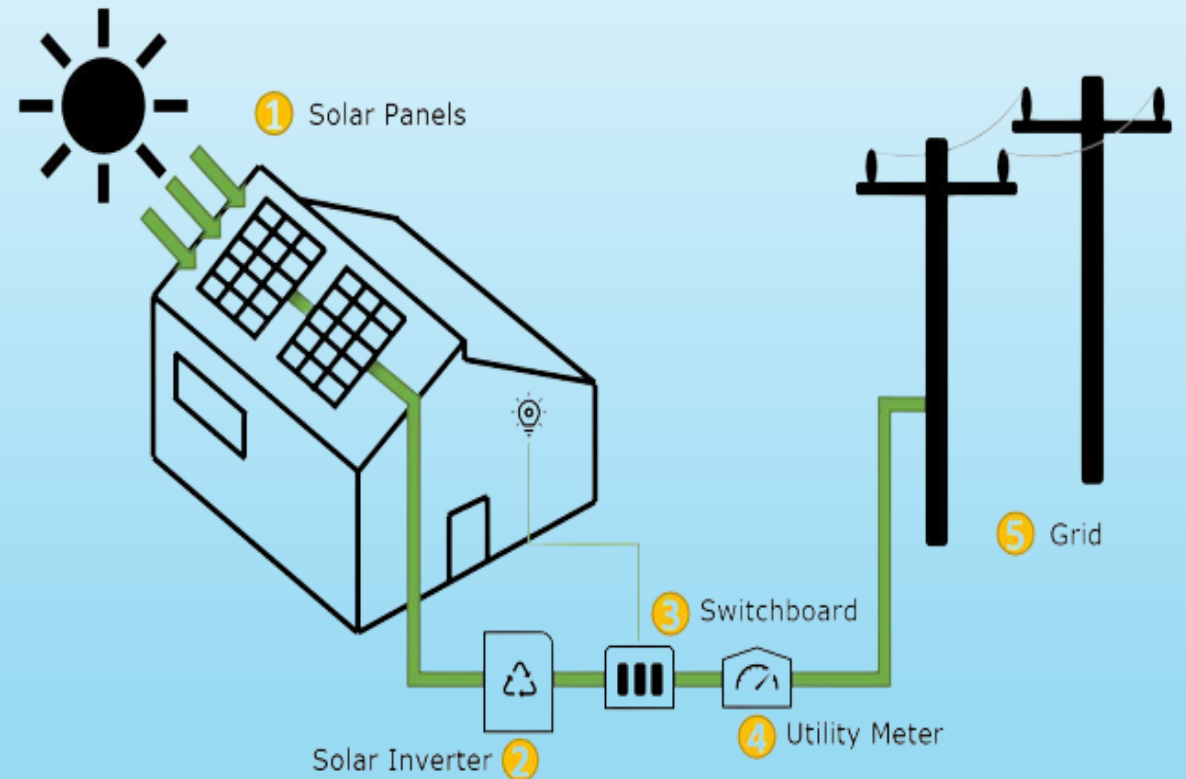


## Hybrid System

Hybrid solar systems generate power in the same way as a common grid-tie solar system but use special **hybrid inverters** and batteries to store energy for later use.

## ADVANTAGES OF ON GRID SOLAR POWER PLANT

- ✓ Very affordable. ...
- ✓ Increases the value of your home. ...
- ✓ No need to buy expensive battery storage. ...
- ✓ Very reliable. ...
- ✓ You get to use 100% renewable energy. ...
- ✓ Easy installation. ...
- ✓ Very resourceful and effective.
- ✓ Save your bills upto 90%.
- ✓ Maintenance free system.
- ✓ Better ROI
- ✓ Long life up to 35-40 Years.
- ✓ Keeps your building cool by upto 5°C.



## TYPES OF SOLAR PANELS



**Polycrystalline**

**72 Cell**

**Efficiency- 16.84%**

**Warranty-25 Years**

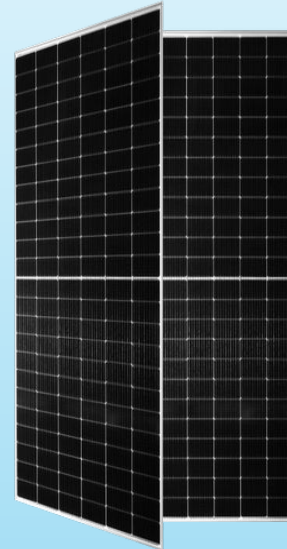


**Mono Perc**

**72 Cell**

**Efficiency- 18.58%**

**Warranty-25 Years**

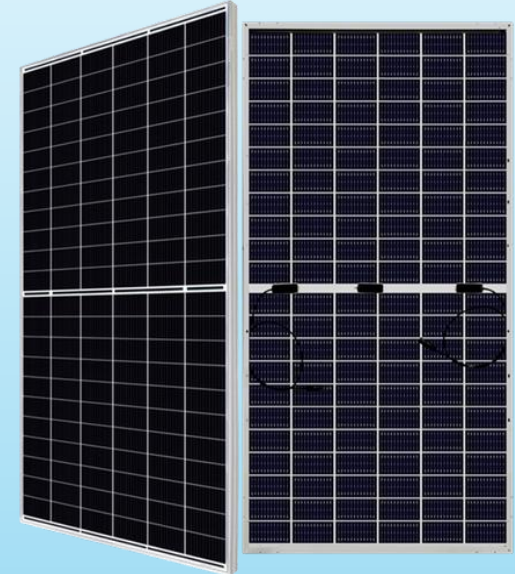


**Mono perc half cut**

**144 Cell**

**Efficiency- 20.80%**

**Warranty-30 Years**



**Bifacial**

**144 Cell**

**Efficiency- 21.19%**

**Warranty-30 Years**

# SOLAR INVERTER



**K Solare**

**Efficiency- 98%**  
**Warranty-8 Years**



**Evvo**

**Efficiency- 98%**  
**Warranty-10 Years**



**Mindra**

**Efficiency- 98%**  
**Warranty-10 Years**



**Growatt**

**Efficiency- 98%**  
**Warranty-10 Years**



**Havells**

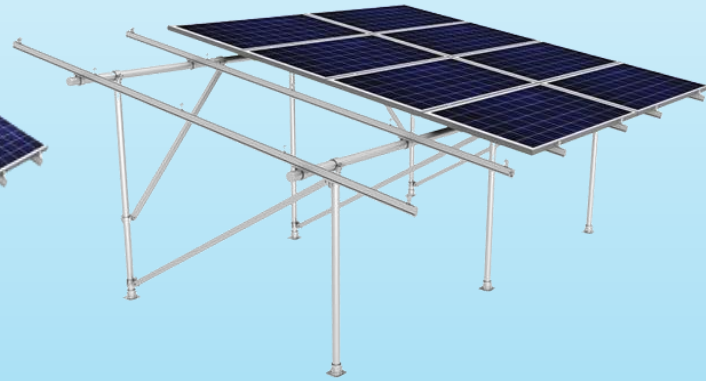
**Efficiency- 98%**  
**Warranty-10 Years**

# PROJECT PLANE



**Normal high**

Solar panels are placed at a height of 5 to 7 feet above ground level.



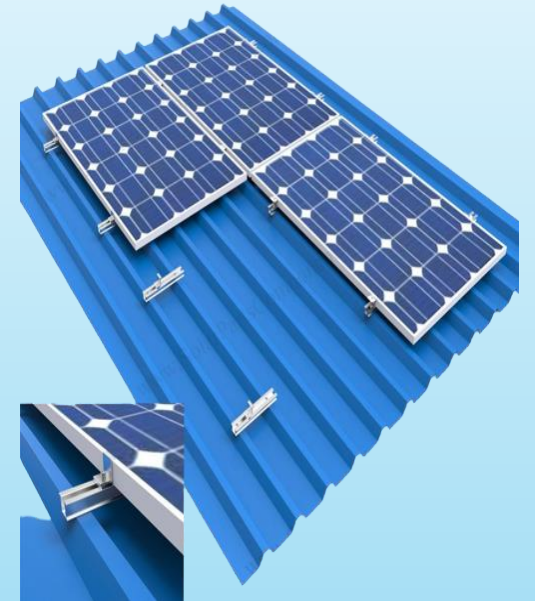
**Elevated**

Solar panels are placed at a height of 6 feet above ground level.



**Triangle**

The triangle's back pillar is adjusted to create different angle inclinations. Maximize the use of space and improve the performance of solar panels.



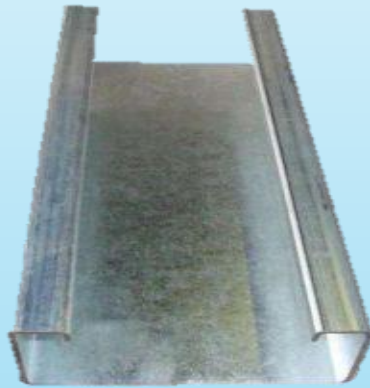
**Mono rail**

Rail-less systems attach components directly to the roof to support the solar modules.

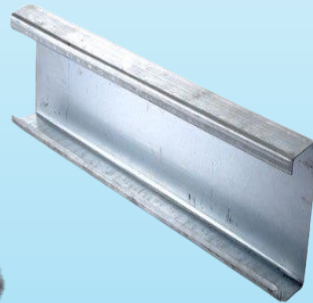
# PRE GI STRUCTURE



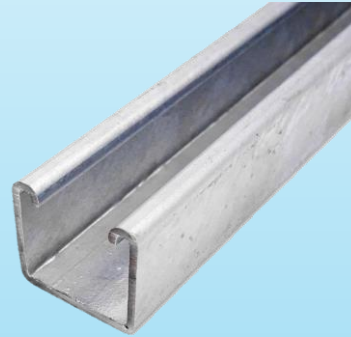
**Solar Structure**



**140\*50mm  
C Channel**



**80\*40mm  
C Channel**



**41\*41mm  
C Channel**



**HDGI U Clamp**



**HDGI Z Clamp**

**C Channel and Rafter Based Pre-Galvanized 80\*40 heavy Structure with Chemical Anchoring/RCC Blogs/SS Nut Bolt**

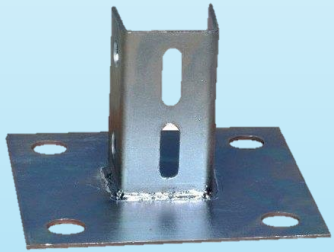
**Preferred Brands -**



**AM/NS  
INDIA**



# PRE GI STRUCTURE



**Base Plate**



**SS Nut Bolt**

**Grade (SS 304) Size-  
8/12mm\*25mm\*2mm  
with 2 Washer**



**M12 Anchor Fasteners**



**Jointer**



**Round Shape  
Civil RCC Blocks**



**Chemical Anchoring**

# ELECTRICAL MATERIAL



**ACDB**

The ACDB receives AC power from solar inverter and directs it to AC loads / LT Panel. ACDB is an important part of SPV system as it provides extra protection to the system in case of failures on load side.



**DCDB**

The DCDB receives the DC power from the solar Panel and directs it to AC inverter through the distribution box. DCDB includes necessary surge protection device (SPD) and MCB to protect the solar inverter from any type of damage or heavy voltage.



**DC Cable**

4-6 Sq. mm Copper Teened cable



**AC Cable**

2-4 Core Flexibel and Armoud Cable



**Earthing Wire**

2.5,4,6 Sq. mm. Copper wire



**Lighting arrester**

Pure Copper Holo with High mask LA

## ELECTRICAL MATERIAL

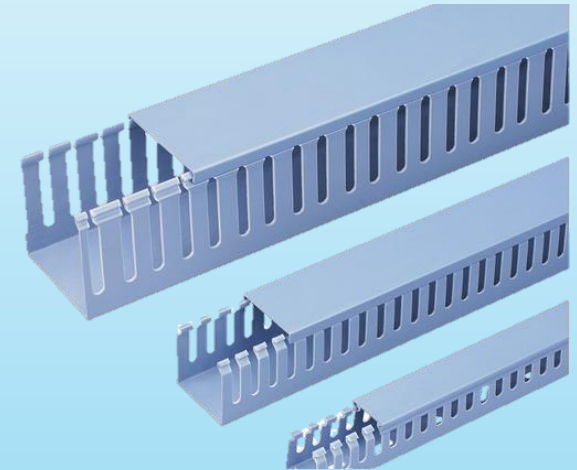


**Earthing Rod with Compound bag**

Earthing is the method of discharging electrical energy into the earth with the help of a wire for safety and functional purposes. Earthing is also known as a grounding system




**PVC MMS Pipes**



**Cable tie**

# WARRANTY



Particulars	Period
<b>PV Module (Performance)</b> 	25-30 Years performance warranty for 80% output
<b>Inverter</b> 	10 Years as per brand (Extendable on demand)
<b>Balance of Material</b> 	1 Year Warranty
<b>Plant Uptime Service Warranty</b> 	5 Year Service Warranty



# RETURN ON INVESTMENT (ROI)

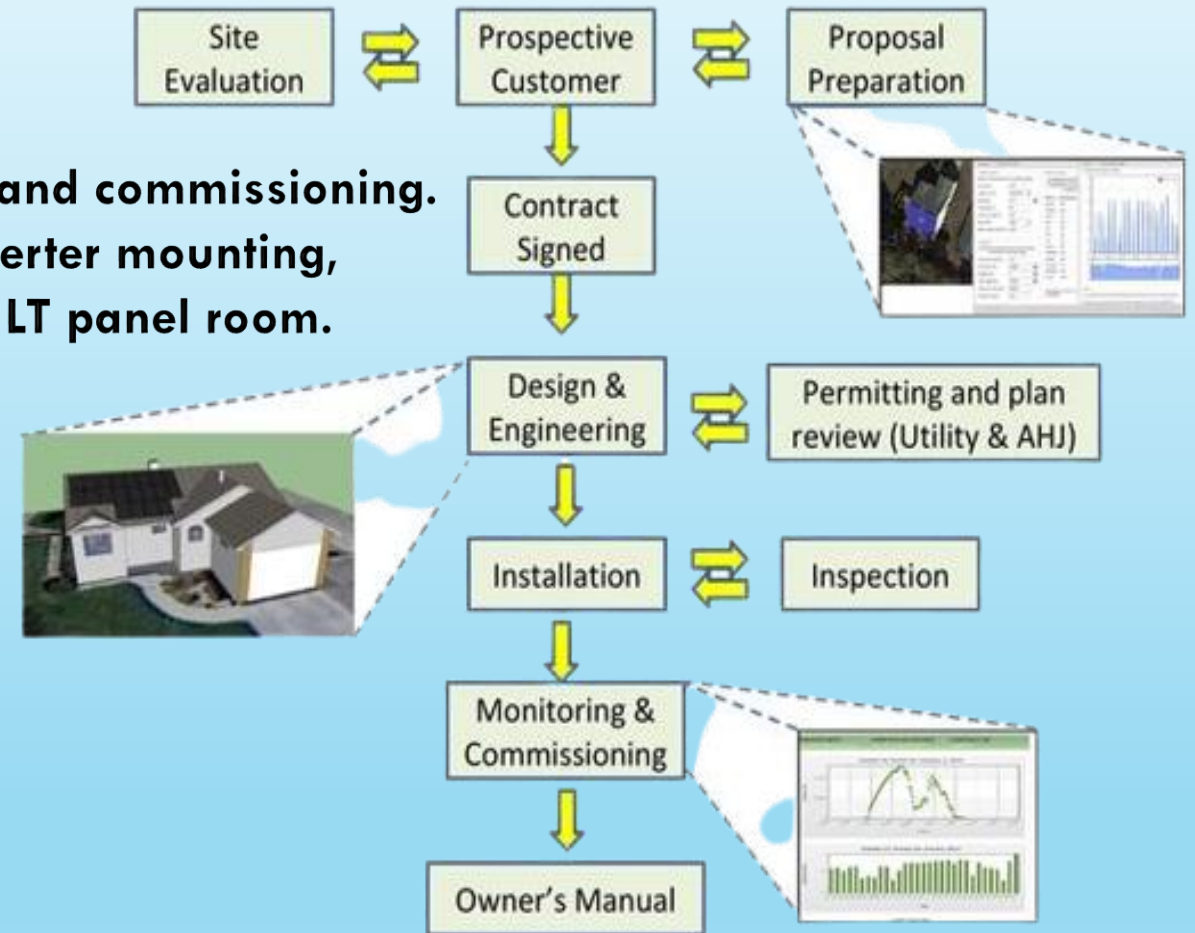


<b>Daily Generation</b>	20-24 Units
<b>Monthly Generation</b>	600-720 Units
<b>Unit Charges</b>	Rs.9/Unit
<b>Monthly Savings</b>	Rs.5,400–Rs.6,480
<b>Annual Savings</b>	Rs.64,800–Rs.77,760
<b>ROI Period</b>	4 Years (Approx...)



## COMPANY SCOPE

- ✓ Project designing, implementation, installation, and commissioning.
- ✓ Site survey, erection of structure and panels, inverter mounting, DC cabling to inverters and AC cabling to main LT panel room.
- ✓ Yield analysis, cost benefit and ROI forecast.
- ✓ Project documentation and management.
- ✓ After sales services of the system.



## CLIENT SCOPE

- ✓ **Providing shadow free space for PV installation with easy access for working persons.**
- ✓ **Water, electricity, access to site should be provided by client including storage spaces for tools and machines. Security of material will be under client's scope.**
- ✓ **Any strengthening of roof or shed installing PV modules if required. Spaces for AC and DC Earthing pits and lightning arrestor required for.**
- ✓ **Providing ventilated room/space for placing of inverters & LT panel for AC connection.**
- ✓ **Wall drilling for inverter mounting and rooftop RCC drilling and any other required whole should be allowed by the client during installation of system.**

# DOCUMENTATION AND REGISTRATION PROCESS



**Aadhar Card details**



**Last Paid Property Tax Receipt/Registry Copy**



**Passport Size Photo**



**Last Electricity Bill**



**Mobile No.**

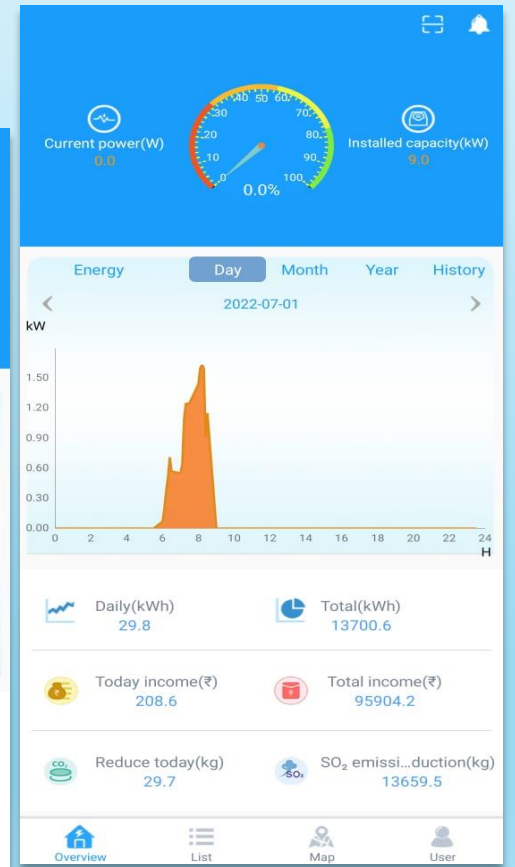
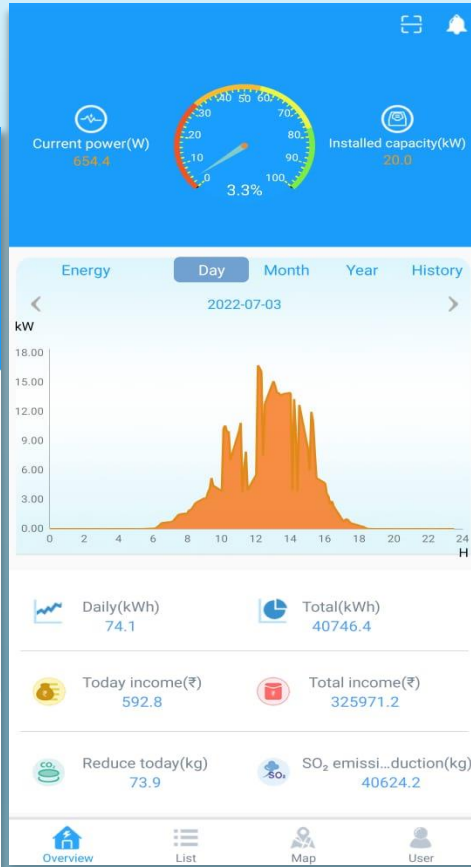
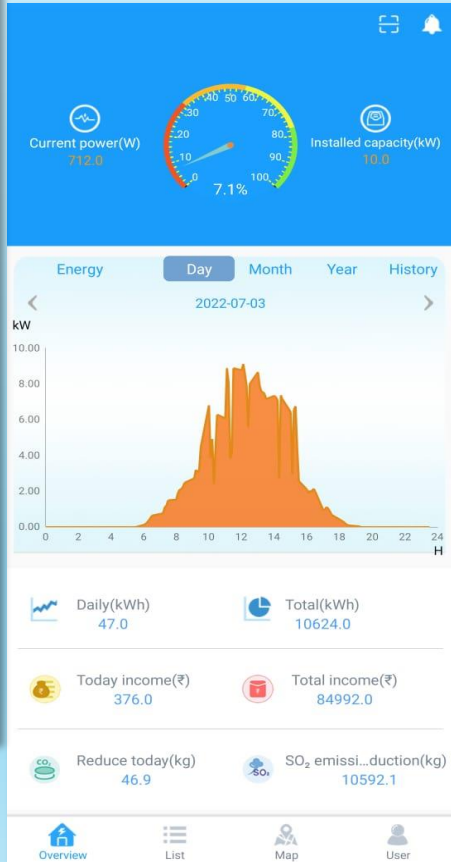
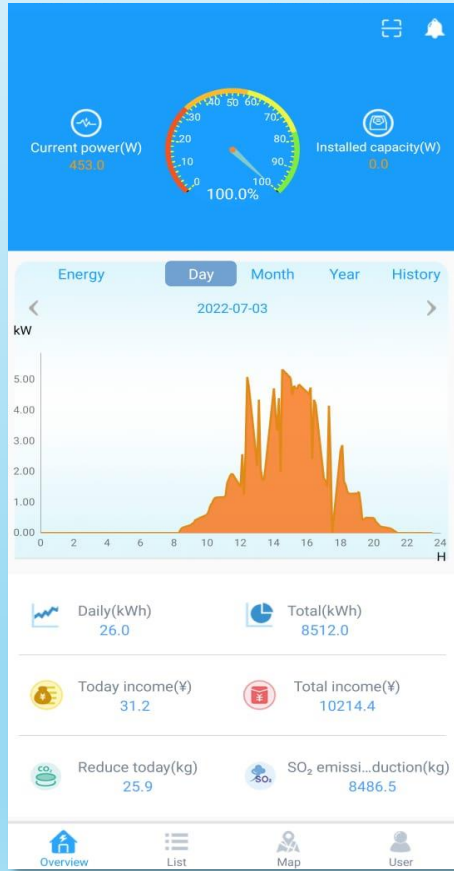


**Email I'd**



The project will be completed within 45-60 Days after PO acceptance and receipt of advance payment. Timeline **for** DISCOM Net-metering will be as per State policy.

# LIVE GENERATION



## OUR ADD ON SERVICES

**Sprinkler**



**Cleaning**



**O&M**



**Gardning**



- Automatic solar panel cleaning system
- Manual solar panel cleaning system
- In-Build timer machine automation

### **Benefits**

- **Improve power generation efficiency of PV Module**
- **Saving time and reduce manpower efforts**
- **On time cleaning daily basis**
- **Affordable cost basis of per panel**



## UNIQUE SELLING POINT

- Pure Copper LA with High Mask
- Comprehensive Warranty
- AMC Booklet
- Free 3D Solar Plant Planning Designing
- 140\*50\*10\*2mm Solar Structure
- Surge Kavach
- 4 Generation 50 Year Rusting Warranty Chemical GI Rode (40mm DÍa) with Rock Salt Charcoal Chemical Earthing
- MC4 Connectore- IP68 Grade
- Safety- Fire Extinguishing Ball
- In Needed- 3 Plantation on 3 Earthing
- In House Installation, Structure, Electrical and Civil Work.

## PAYMENT TERMS

- 20% Payable after delivery of material at site. (Structure)
- 60% Payable after delivery of material at site. (Module)
- 15% after completion of installation with (Inverter)
- 5% after commissioning of project.



- Cheque payment shall be in favor of “Solar PV Power Solution Private Limited”, Payable at Indore. As per account details enclosed.
- All Payment made shall not be refunded.
- In case the payment is not done in the stipulated time frame as per payment terms, interest on amount
- will be charged @18% per annum until the amount is received.

**SOLAR PV POWER SOLUTION PRIVATE LIMITED**

**A/C No- 921020054673478**

**IFSC Code- UTIB0003119**

**Bank- AXIS BANK**

**Branch- GEETA BHAWAN, INDORE.**

# SITE PHOTOS





TO WATCH OUR QUALITY WORK THROUGH VIDEOS  
AND PHOTOS BY SCANNING QR CODE





THANK YOU...