

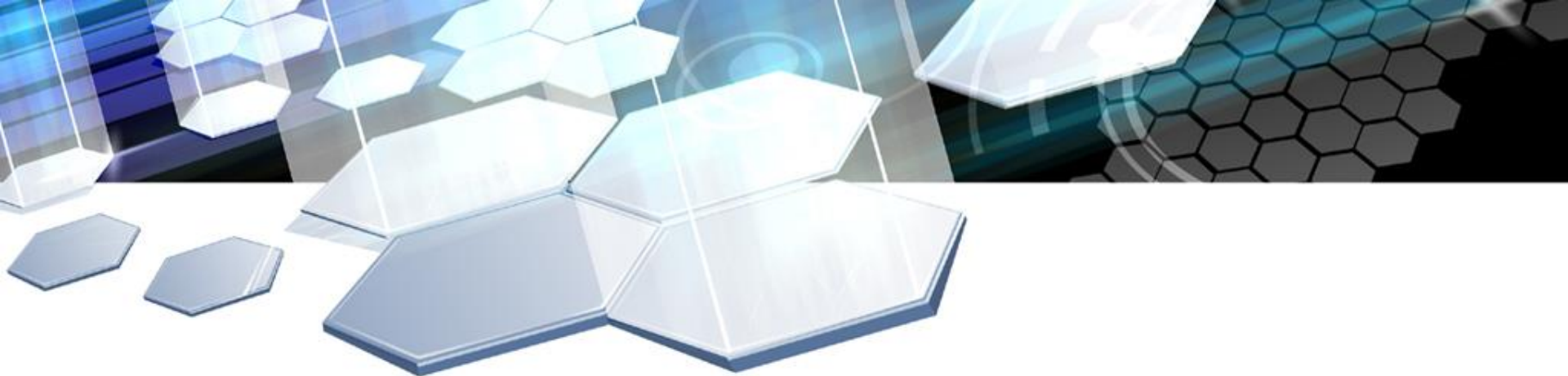
*Experience the Power of the Sun at its Finest*





## COMPANY PROFILE

- We are working in Solar since last 8 years.
- We provide customized Rooftop & Ground Mounted solutions for Residential, Commercial, Industrial, Institutes, Petrol Pumps and Hospitals. Based on the site conditions it can be Solar On-Grid or Hybrid or Off-Grid.
- We develop and implement technology to improve our clients' productivity, efficiency and works with them to achieve their vision.
- We believe and work for customer satisfaction, quality product, effective services and research for development in agriculture and commercial.
- We are having in-house Manufacturing Facility of around 10000 Sqft in Ahmednagar.



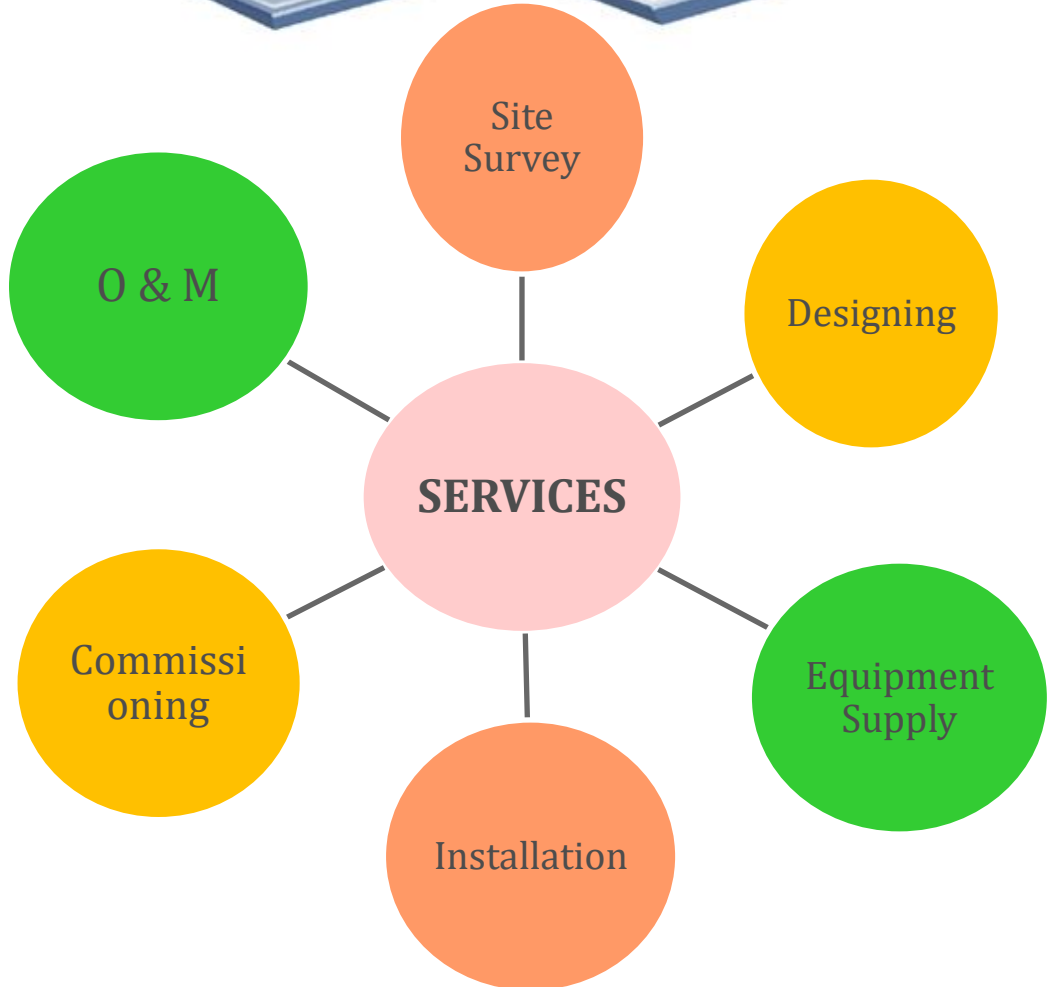
- To become world's leading organization by providing complete high-tech solution for modern and innovative technology in the solar energy
- Continuously improve our products & services to become preferred and believable partner of our customers.

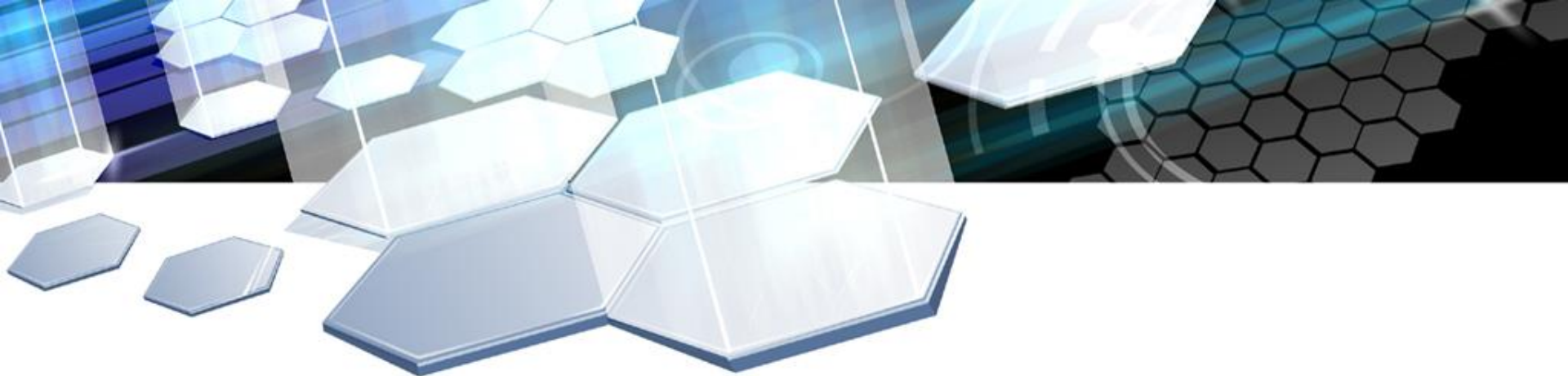
- To provide innovative, applicable focused solutions to enhance value of our customers globally.
- To educate, promote and transfer innovative, modern, efficient technology and ideas in solar sector through continuous R&D.





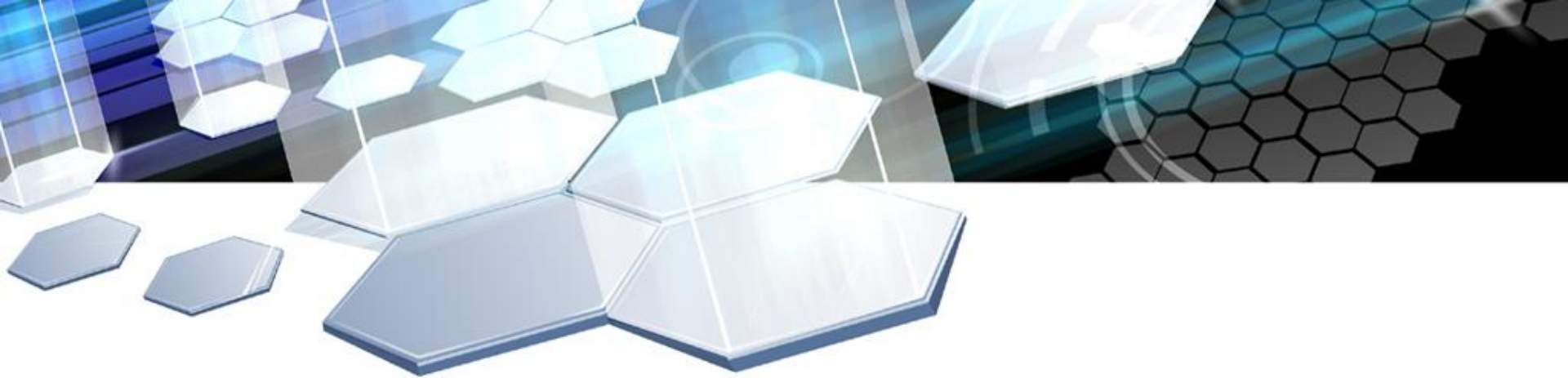
# WHAT WE DO





# OUR PRODUCTS

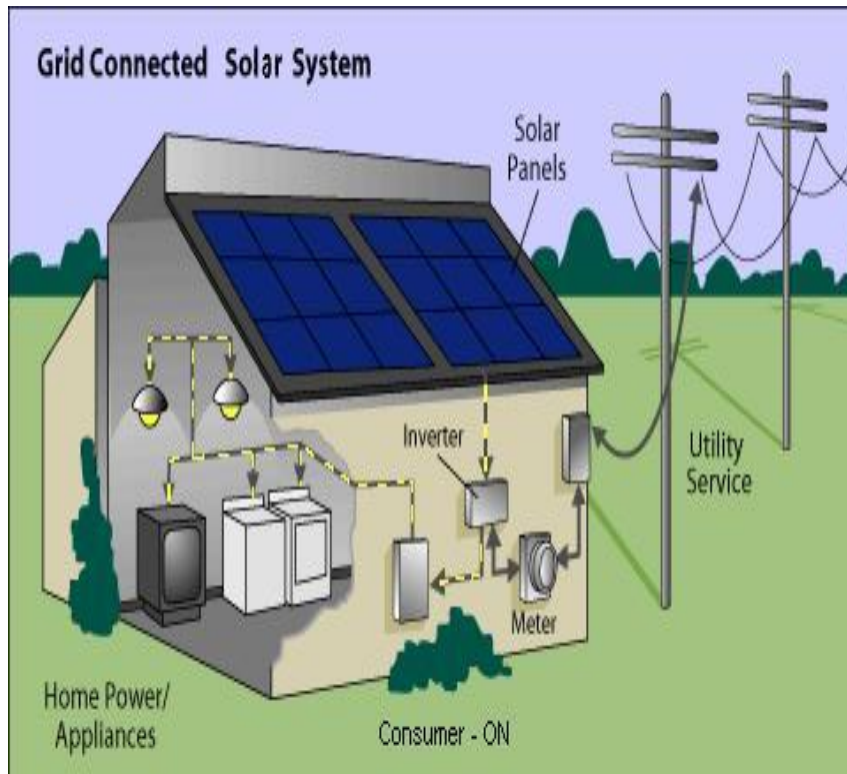
- ❖ **On Grid- Solar PV Rooftop Power Plant**
- ❖ **Off Grid- Solar PV Rooftop Power Plant**
- ❖ **Solar Water Pump**



## ON-GRID SOLAR PV ROOFTOP POWER PLANT

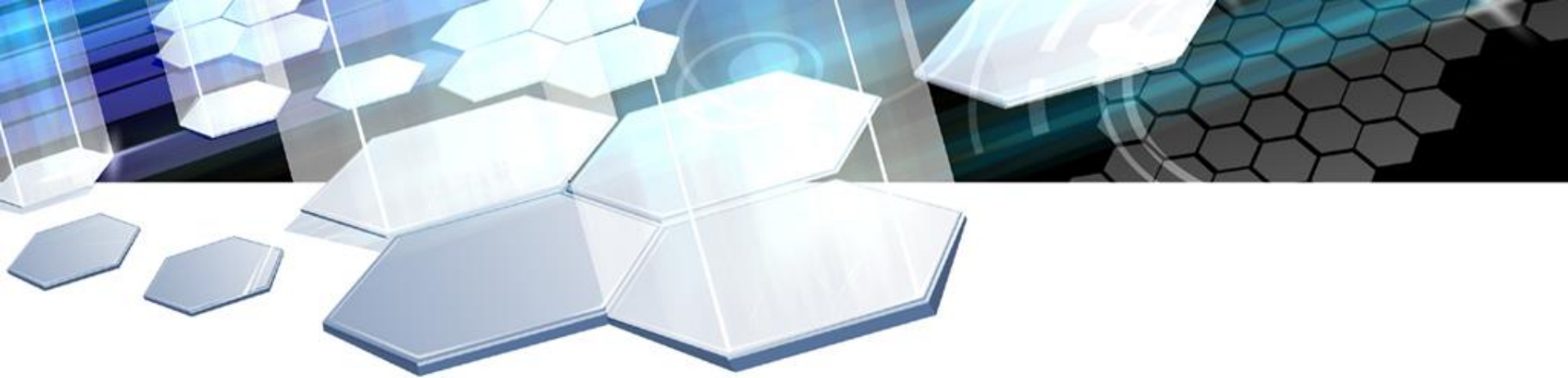
- Grid-Tie Systems are solar PV systems that only generate power when the utility power grid is available. They must connect to the grid to function.
- They can send excess power generated back to the grid when you are overproducing so you credit it for later use.
- Work without batteries and hence very low maintenance and requires less monitoring
- If the demand of utility is more than power generated by solar array, the balance requirement of power will be drawn from grid or generator automatically.

# Grid Connected Solar PV power System



## ❖ Major Components:

- ✓ Solar Panels
- ✓ Grid Tie Inverter
- ✓ Module Mounting Structure
- ✓ BOS
- ✓ Net Meter

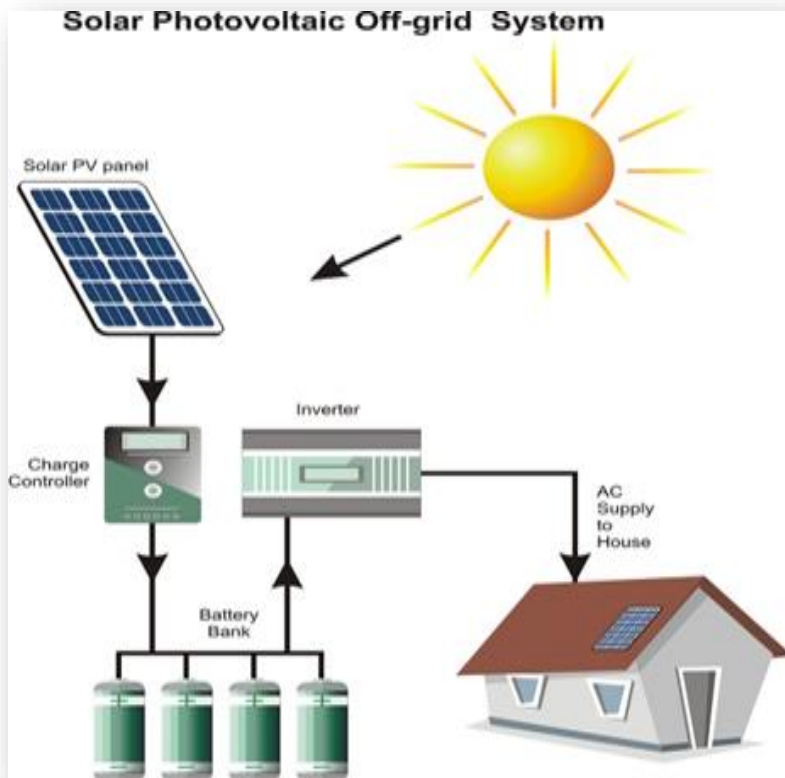


# OFF-GRID SOLAR PV ROOFTOP POWER PLANT

- This type of solar electric system is not connected to electricity grid
- Stand alone system for remote areas.
- Can be designed to provide power for a certain number of days (nights) in row when sun is not available.



# SOLAR OFF-GRID SYSTEM



## ❖ Major Components:

- ✓ Solar Panels
- ✓ Inverter
- ✓ Battery
- ✓ Charge Controller
- ✓ Module Mounting Structure
- ✓ BOS



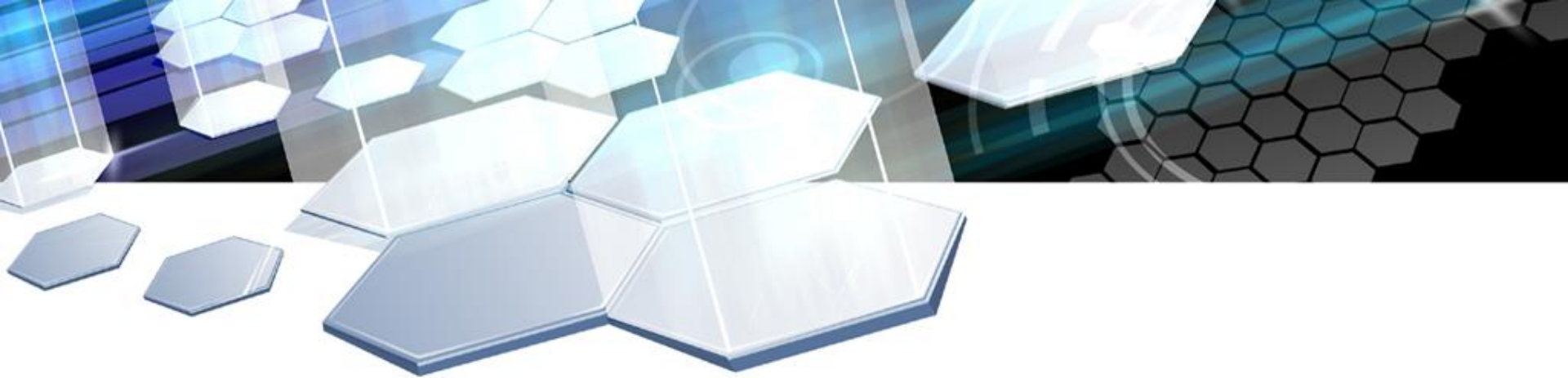
# APPLICATIONS

- Home lighting, Hospitals, Colleges, Petrol Pump, Industries, Commercial Mall Etc.
- Banking, Chilling Plants, Backup for agricultural automation etc as per requirements.
- Used for all domestic appliances like TV, Fridge, Computers, Fans, lighting and can be used for AC also customized solution as per site & load.



## **BENEFITS**

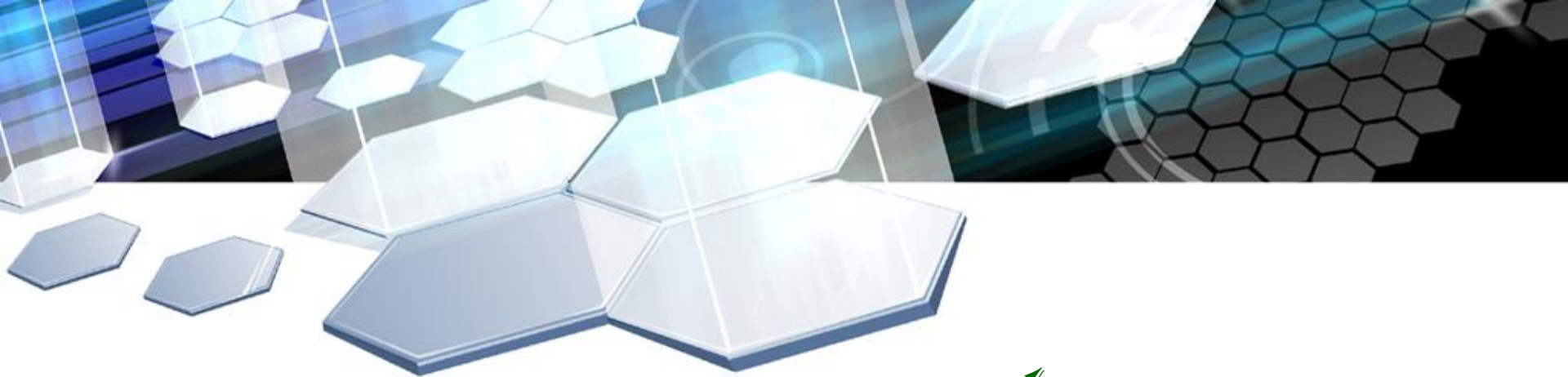
- Generates free energy from sun.
- No moving parts to break down thus requiring little maintenance.
- Can be designed for any load and expands as your needs increase.
- Long useful life (more than 30 years).
- Can be set up on the available factory roof top or parking areas or a designed land.
- Non-polluting energy reduces emission, no noise and give off no exhaust.
- Reduce your electricity bills and generate valuable additional income from your rooftop space.
- Payback period ranges from 2 to 5 years.



## **TECHNICAL DETAILS**

### **❖ Consider 1Kw of Solar PV System**

- Area Required= 100SqFt
- Modules Wattage= 1000Wp
- Electricity Generation(per Day) = 4 Units
- Electricity Generation(per Month) = 120 Units
- Electricity Generation(per Year)= 1440 Units



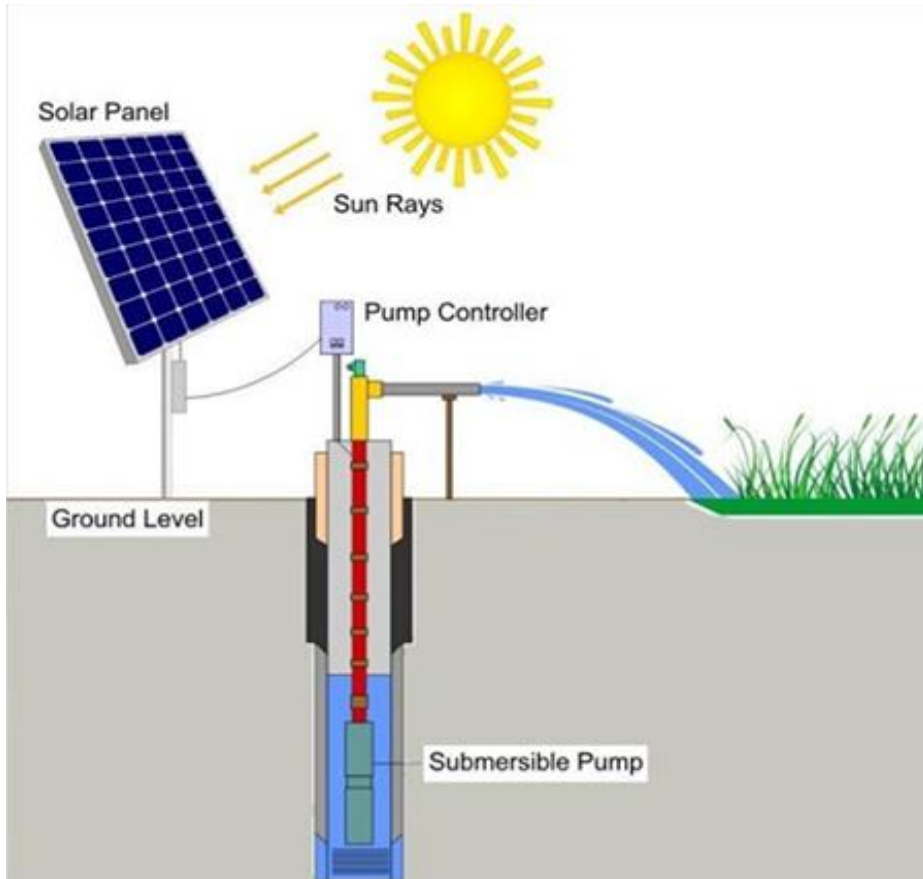
# SOLAR WATER PUMP

➤ Major components of solar pumping system:

- A. Solar Modules
- B. Solar Pump
- C. Controller
- D. Module Mounting Structure
- E. Balance Of system



# SOLAR WATER PUMP



**Each solar array has a number of solar modules connected in parallel or series.**

**The electrical energy from the entire array is controlled, tuned and directed by the inbuilt controller in DC pumps or through the Variable Frequency Drive (VFD) and enables the connected pump (may be submersible or surface) to draw water and feed the delivery pipelines.**



## **APPLICATIONS**

- ❑ **Water Supply:**
  - Villages, Schools, Hospitals, Home etc.
  - Resort, Hotels and farmhouses.
  - Housing societies and apartments.
- ❑ **Irrigation:**
  - Farms, Fields and greenhouses.
  - Corporate/ industry park and gardens
  - Drip irrigation for agro-based industries.
- ❑ **Industry**
  - For ETP System
  - Gardening
  - RO Plant



## COMPLETED PROJECTS



**80Kw Solar On Grid Power Project  
at Changa Oil Industry, Pathardi**

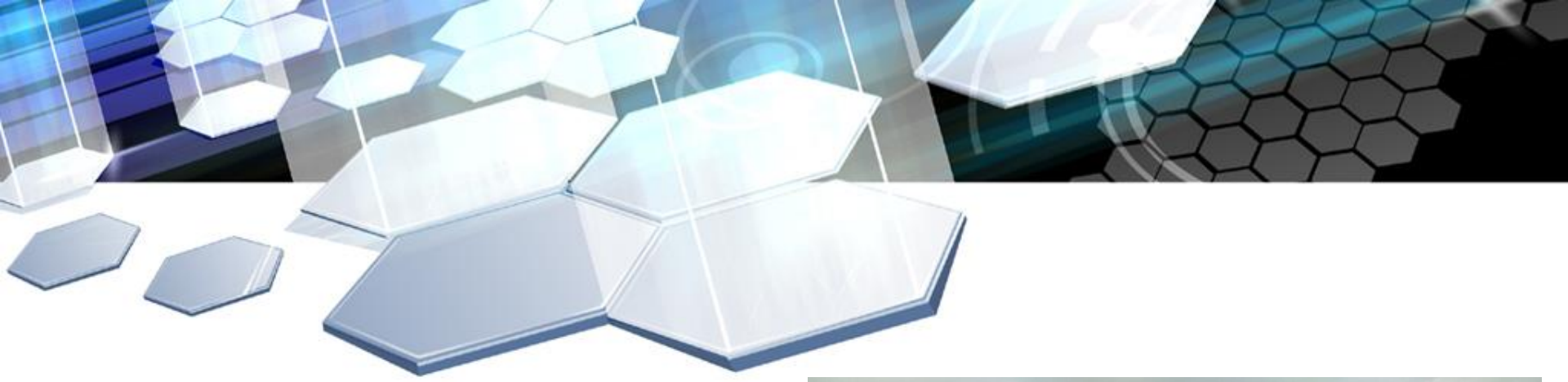


**50Kw Solar On Grid Power Project  
at KPPL, Bhosari Pune**

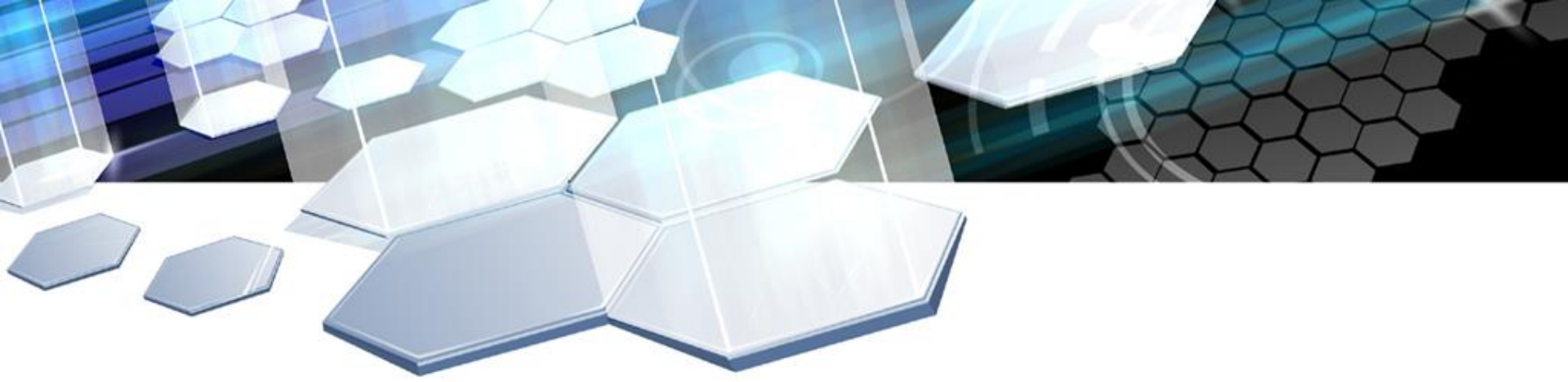




**30HP Solar Water Pump at Dindori, Nashik**



**50HP Solar Water  
Pump at Takawe, Pune**



**20HP Solar Water Pump at  
Snehalaya Ahmednagar**



**7.5HP Solar Water Pump  
at Mr. Devidas Patil, Dhule**



**10HP Solar Water Pump at  
Sairaj Nursery, Astagaon**



**7.5HP Solar Water Pump at Sairaj Nursery, Astagaon**



**3HP Solar Water Pump at Sairaj Nursery, Astagaon**



## **CONTACT US**



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**T H A N K Y O U**