



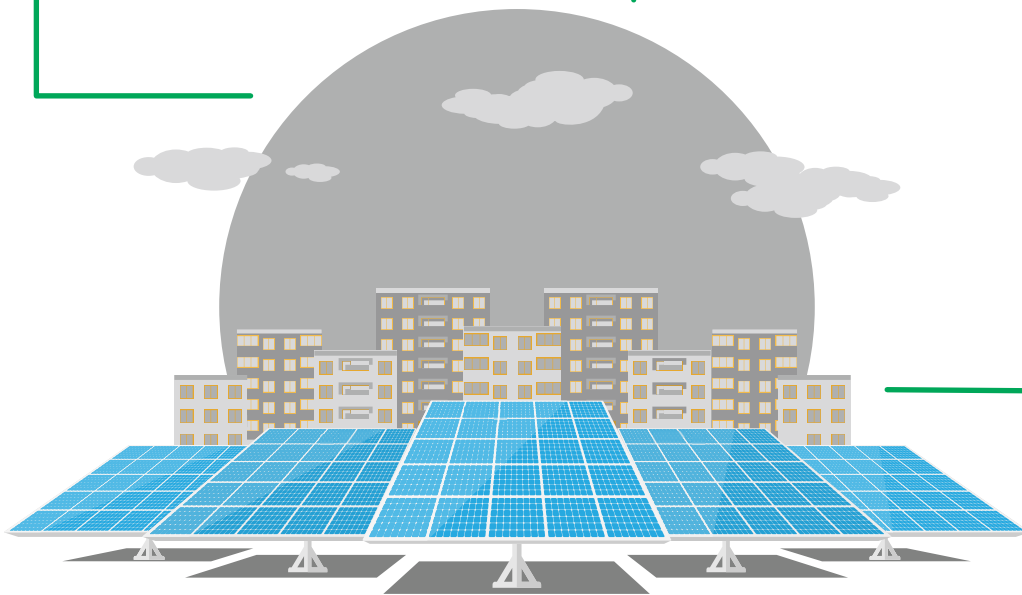
**ENERGIZE** THE FUTURE  
WITH **SOLAR POWER**





**Avirat Energy pvt ltd** is a renewable energy startup accredited by DIPP - Startup India and headquarter in **Junagadh, Gujarat**. Avirat Energy is built on the basis of years of experience and **1500+ Residential**, commercial and **75+ mw** Ground Mount solar project installation before Avirat energy names registered as a business.

**AEPL** started it's journey during **Mar -2020** when global pandemic was not declared. **AEPL** is mainly focused in the key Solar energy area like Solar thermal and solar pv. we are engaged into products like solar water heater , solar power plant and solar street light, solar pump and solar dryer. we are trying to make solar energy affordable and available **Across Pan India**, so every one can get benefitted.



**AEPL** is also educating peoples in rural india and tier-2 & tier-3 city for awareness about solar products. we can explain over calls and 1-1 meeting for any types solar energy product related information and consulting. educating customers with real facts , data and customer review helps our journey to built solid customer base with trust and transparency.

We at Avirat Energy believes in transparency, quality material and timely service as customer is investing for a life In our products and we have to keep our trust alive and connection with our customers.

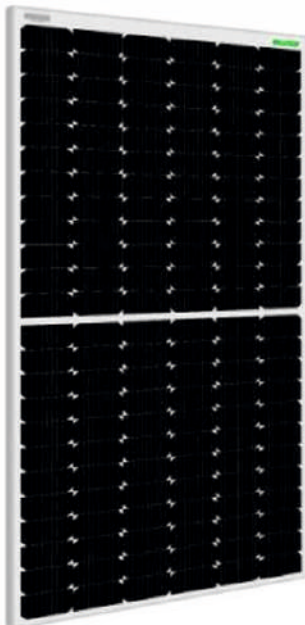
# TYPES OF **SOLAR** PANELS



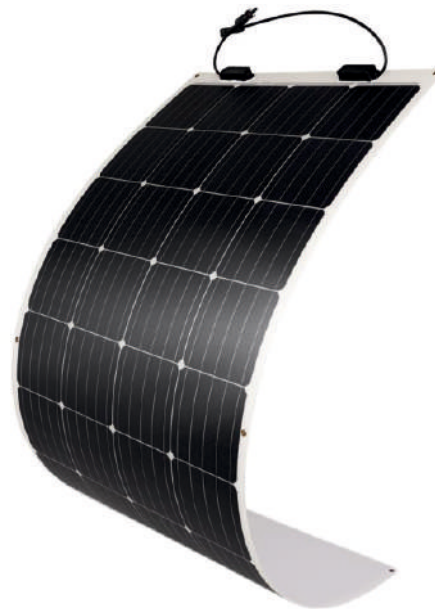
Polycrystalline  
Solar Panel



Mono Crystalline  
Solar Panel



Mono Half Cut  
Solar Panel



Flexible  
Solar Panel

# OUR PRODUCTS

Avirat Energy Pvt Ltd is dealing in all types of Solar Products

## (A) Solar Photovoltaic Products

- Ongrid Solar Rooftop
- Offgrid Solar Rooftop
- Industrial Solar Power Plant
- Ground mount Solar Power Plant
- Solar Water Pump
- Solar Street Light / Home Light

## (B) Solar Thermal Products

- Solar Water Heater
- Solar Cooker
- Solar Cabinet Dryer
- Solar Tunnel Dryer

## (C) Solar Installation Services

- Mega Watt Solar Plant I & C
- Solar Tree I & C

## (D) Solar BOS Kit



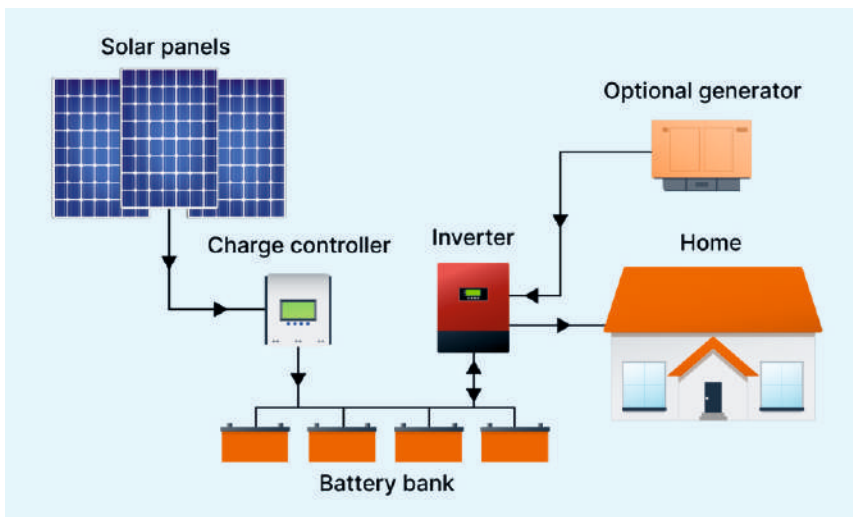
## (A) Solar Photovoltaic Products

### Ongrid Solar Rooftop



Avirat Energy pvt ltd is empaneled agency accredited by PGVCL, MGVCL & GEDA in Gujarat. we have portfolio of more than 1500+ satisfied residential solar rooftop owners in Gujarat .We can do complete EPC for On grid Solar rooftop with complete services & maintenance. We use world class top notch quality solar pv modules, Solar inverter and BOS as per client requirements.

### Offgrid Solar Rooftop



We, Avirat energy pvt ltd had successfully completed many off grid solar projects in Rural area, Forest area and agriculture for electricity. Off grid project requires technical excellence, experience and timely services to run it for long term. we give onsite services for Off Grid solar projects.

## (A) Solar Photovoltaic Products

### Industrial Solar Power Plant



Renewable energy is the greatest innovation of 21st century combining the nature and science for mankind daily needs of electricity and to run the life peacefully. Most of the resources are completely free forever and requires little efforts to set it up for long life .

**Our methods for Industrial solar power plant set up is :**

- 1. Understand the requirement upto next 10+ years for electricity consumption**
- 2. site survey for space and fitment**
- 3. use latest technology in project keep in mind with client budget and space**
- 4. solar panel cleaning and daily monitoring and quarterly check up**
- 5. utilize the solar power plant for maximum generation**

### Ground mount Solar Power Plant



We understand client requirement with budget to give maximize return on investment to our clients for long term with keep in mind multiple factors and safety of plant. we have 7+ years experience in ground mounted solar project I & C work in multiple location across Gujarat in Sky scheme and SSDSP scheme in hard rock land & desert land .

## (A) Solar Photovoltaic Products

### Solar Water Pump



Solar water pump is a solar pv system contains Solar Pv modules , VFD ,solar pump and cables for water pumping from well and borewell for agriculture /irrigation water. it is useful in remote area and where electricity is not easily available for drinking and agri water. solar water pump is mainly two types : Ac & Dc .it may also runs on electricity too.

### Solar Street Light / Home Light



We, Avirat energy pvt ltd had successfully completed many off grid solar projects in Rural area, Forest area and agriculture for electricity. Off grid project requires technical excellence, experience and timely services to run it for long term. we give onsite services for Off Grid solar projects.

## (B) Solar Thermal Power

### Solar Water Heater



Solar water heater is a technology used for water heating for bath and other uses. concentrated sun rays throw on borosilicate glass tube and heated steam from water go up side in insulated water tank, hot water can be used in next 30 - 36 hrs.

#### EVACUATED TUBE COLLECTOR (ETC)

Capacity in Ltr.	No. of Members	No. of Tubes	Size (LXBXH)
100	2-3	10	6x3.5x5
150	4-5	15	6x5x5
200	6-7	20	6x7x5
250	8-9	25	6x8x5
300	10-11	30	6x9x5
500	12-13	32	7x9.5x7

### Solar Cooker



#### Applications and uses of solar cookers are:

Water Distillatio , Solar Smelting  
Roasting coffee and peanuts for commercial purposes,  
Separation of Beeswax and capping  
Wax melting , Sterilization of Medical apparatus  
Grain Sterilization , Ironing  
Water Purification ,Dehydration

A **Solar cooker** is a device that uses the energy from the sun mainly for cooking purposes and can be used for various purposes too. It converts **solar energy to heat energy**. List the applications and uses of solar cookers.



## (B) Solar Thermal Power

### Solar Cabinet Dryer



**Solar dryer** is a device made of metal sheet box and UV sheet for drying spices and herb without affecting it's nutritional value. solar dryer is highly useful in rural area where fruits and vegetables doesn't get it's value because of poor transportation system and storage system. one can make good amount of money by sun dry fruits and vegetables in sun dryer and later sell this online , offline in metro city.

### Solar Tunnel Dryer



Solar Tunnel Dryer is a device for drying spices, herbs, fruits and vegetables in large quantity for farms and factory. one can get better quality sun dried spices, herbs, fruits and vegetables in short span of time with value added nutrition and longer shelf life.

## (D) Solar BOS Kit



Earthing kit



Acdb - Dcdb



M8 J hook



Mc4 Crimping tool



Mc4 Connector



Solar Panel  
Cleaning Sprinkler



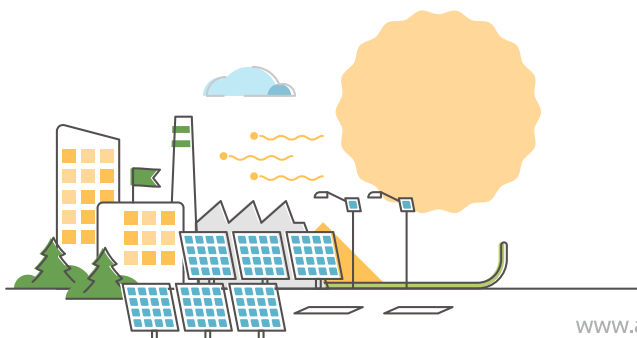
LA cables / Dc cables



Pvc Pipe and  
Accessories



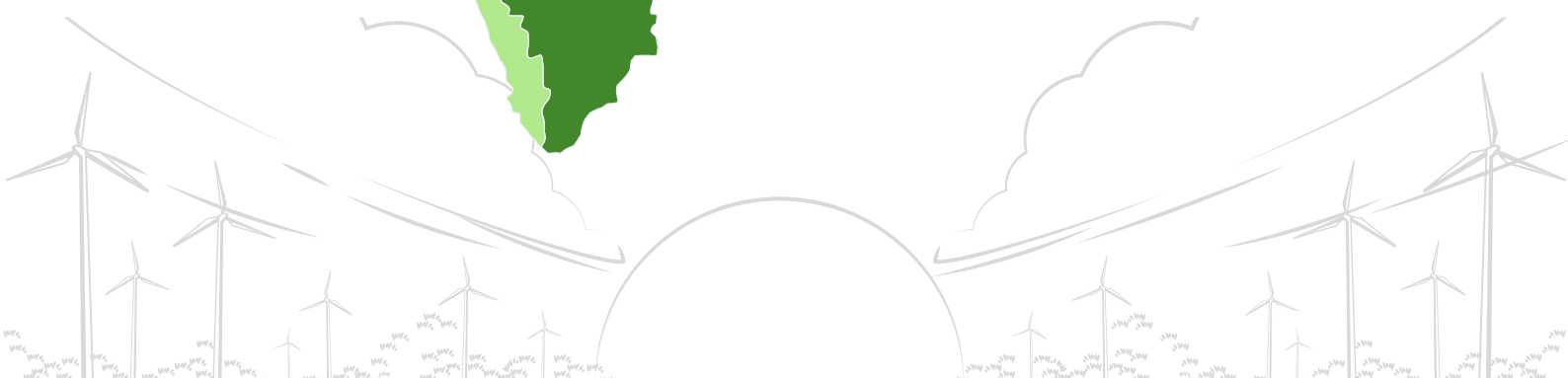
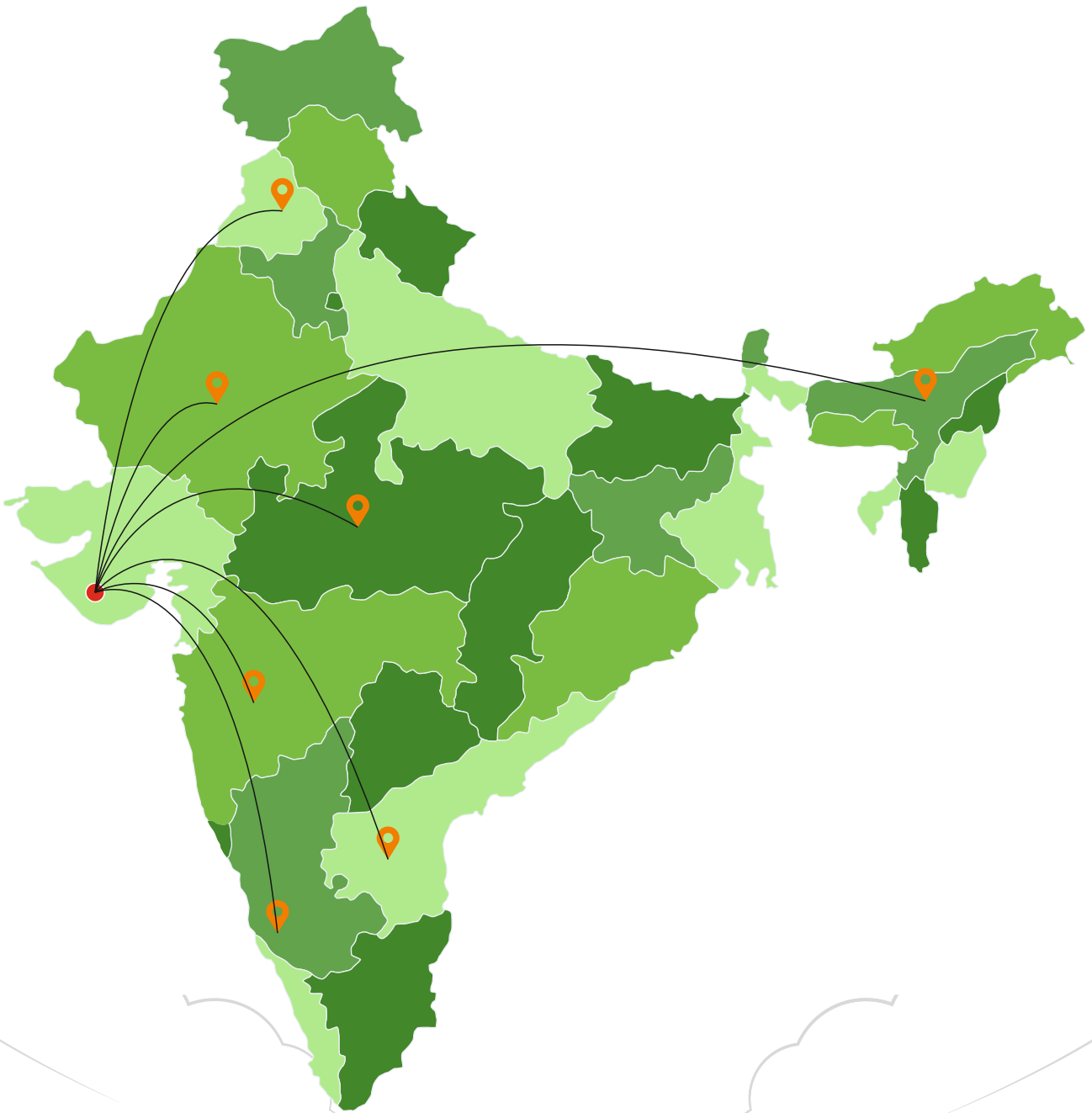
Cable Tie



[www.aviratenergy.com](http://www.aviratenergy.com)



# Our Presence of India





## Avirat Energy Pvt Ltd.

**Works :** Jay Industrial Park, Plot no. A-19/1, Near Makhiyala, Dhoraji Road, Junagadh - 362037 (Gujarat, India)

**Branch Office :** S-4, Beside Ekta pan, Nr. Yamuna Wadi, Zanzarda Road, Junagadh - 362001 (Gujarat, India)

**Reg. Office :** S-4, Opp. Pramukh Darshan App., Amrut Nagar Main Road, Keshod - 362220 (Gujarat, India)

**E-mail :** [info@aviratenergy.com](mailto:info@aviratenergy.com) | **Web :** [www.aviratenergy.com](http://www.aviratenergy.com)

**Service :** +91 99797 45444 | **Sales :** +91 96974 43344 / +91 9725872155