



## ONE STOP SOLUTION

For All Solar Product



For Solar Module :+91 90811 00296  
For C & I Solar BOS :+91 78618 68278  
For Solar BOS :+91 78618 13600



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



## OUR TEAM

- A passionate team at **Heaven Solar Energy Pvt. Ltd.** has come together to contribute to the enhancement and development of the planet. Due to the increased use of fossil fuels, the Earth's climate is changing, and the temperature is rising day by day. A huge amount of coal and crude oil is burned daily to fuel the economy. To preserve the Earth's natural environment for future generations, we are on a mission to make this planet green again.
- Innovation and best-quality services are our primary motto. As a team of young entrepreneurs, we strongly believe that Indian youth is a treasure house of immense energy and holds the power to develop the economy with effective and reliable solutions.

## VISION

- There is no doubt that humanity is facing climate change on many fronts. Many governments, organizations, companies, and individuals are trying to decelerate and potentially even reverse the process of global warming that is threatening the world as we know it today.
- These pioneers are looking to emerging green technologies, practices, and social transformation in order to succeed in the battle against climate change. To become a leading company in the field of renewable energy by providing green energy solutions to each household and industry.

## MISSION

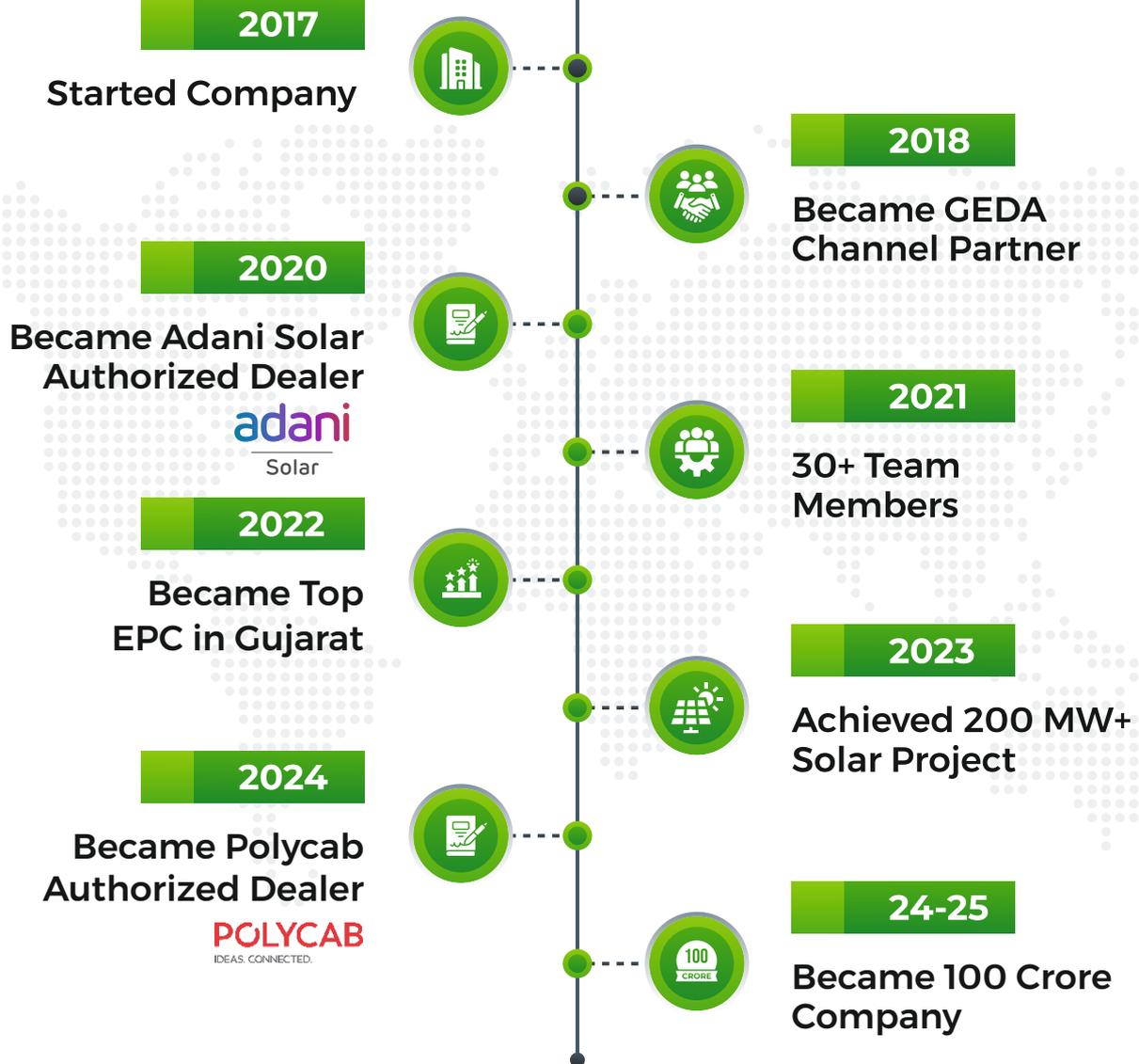
- Our mission is to make India a 100% renewable energy country.

## VALUE

- Honesty, transparency, and growth for everyone.



## MILESTONE



## ABOUT US

Heaven Solar Energy is a globally reputed solar engineering consultancy operating in India since 2017. With a 300MW+ of global experience in Design & Engineering, having a team of over 42+ highly-qualified engineering and solar experts.

Heaven Solar Energy Pvt Ltd is an authorized distributor of Adani Solar, Havells Inverter, and EVVO inverter. We also supply structures, walkways, cables, and all BOS related to solar power plants through our marketplace platform.

# AUTHORISED DISTRIBUTORS

## ADANI SOLAR PV MODULE

### 520 to 545 WP Mono PERC Half cut & BiFacial

- MBB cell technology with 10BB, Smart Soldering
- High module conversion efficiency upto 21.19%
- 144 Half-cut mono-crystalline, P-type PERC monofacial solar cells; MBB bus bars
- Temperature range : -40°C to + 85°C
- 12 Years Product & 30 Years Performance warranty

### 550 to 575 Wp Topcon Bifacial Transparent Backsheet Modules

- MBB cell technology with 10BB, Smart Soldering
- High module conversion efficiency upto 22.28%
- N-type Bifacial 144 Half-cut cell
- Temperature range : -40°C to + 85°C
- 12 Years Product & 30 Years Performance warranty

**adani**  
Solar



## SOLAR INVERTER POLYCAB

### Single Phase

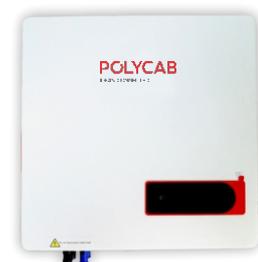
2 / 3 / 3.6 / 4 / 5 / 6KW

### Three Phase

5 to 30, Upto 100 & Many More

- Maximum Efficiency: 98.2%
- IP65 waterproof and dustproof, C5 anti corrosion
- App quick commissioning & Remote configuration and upgrade
- PROTECTION\_ AC overcurrent protection, AC short circuit protection, Arrester, Insulation detection, Leakage current protection
- Supports 50% DC overload,
- Operating Tmp. Range : -25°C - 60°C
- Display : Wireless & APP +LCD
- Communication : WiFi / RS485 & GPRS (Optional)
- Warranty : 7 years

**POLYCAB**  
IDEAS. CONNECTED.



# INVERTER DUTY TRANSFORMER

## INVERTER DUTY TRANSFORMER

- Inverter duty transformers with 2 to 6 inverter windings. Solar/Wind transformer converts low voltage to high voltage for feeding into the power grid.
- Steps up voltage from inverter output to MV network.
- Range: IDTS can have a range of 500 KVA to 10000 KVA
- Power rating: IDTS can have a power rating of 100 to 10MVA.
- Voltage range: The input voltage range for IDTS is typically 220 to 800 volts.
- Protection & monitoring: oil level indicator, gas detection, pressure, and temperature control.
- Design: IS 2026.
- Type: Oil Cooled ONAN Inverter Duty.
- Vector Group: Dyn11.



## ACDB/LT PANEL

- Applications : Operation, Control & protection of distribution network
- Standard : Confirming Indian Electricity Act and standards of all component
- Electricity Act & ISstandards of all component suitable to 800V
- Type : Outdoor IP 65,
- Phase: Three phase  
Type Tested : Short Time Current withstand.  
Temperature Rise Degree of
- Protection
- Bus Bar : Aluminium or Copper
- Enclosure : Fabricated from CRCA
- Switchgears :L&T/ABB/Schneider/reputed



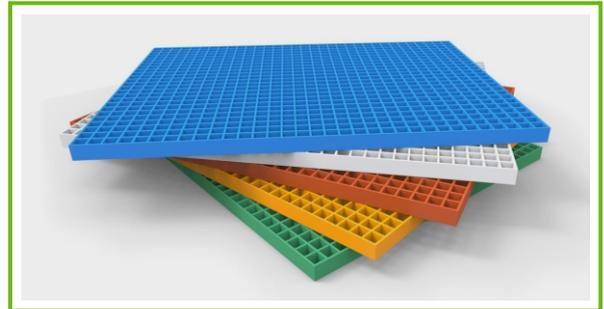
# HT VCB Panel (11 KV VCB)

- Application : Protection
- Standard : Confirming Indian Electricity Act and standards of all component
- Type : Outdoor IP 65
- Phase: Three phase
- Automation Grade : Automatic
- Operating Voltage : 11kV
- Bus Bar : Aluminium or Copper
- Degree of Protection : IP42/54
- Enclosure : Fabricated from CRCA
- Switchgears :L&T/ABB/Schneider/reputed



## FRP WALKWAY

- Material Grade : FRP fiber glass
- Size : 270 / 310mm x 3660mm standard  
Thickness : 15,25,30,38,40,50 mm
- Color : Yellow  
Strong, Light weight, Durable,  
■ excellent corrosion and rust resistance



## CONDUIT PIPE & ACCESSORIES

- Application: Used to make High Viscosity Liquids Flow At Elevated Temperature Through The Carrier Pipe
- The Inner Pipe Is The Primary Or Carrier Pipe And The Outer Pipe Is Called The Secondary Pipe.
- Size Range:- 32/40 mm, 38/50 mm, 51/63 mm, 63/77 mm, 75/90 mm, 95/110 mm
- Color: DWC pipes can be black or orange
- Greater strength and offer better load bearing capability.
- DWC pipes have a dust proof joint and are waterproof
- Offer a very high resistance to corrosion
- DWC pipes Joints & Fittings : Couplers Snap-fit, Elbow / Bend, Tee, End caps



# CABLES

## DC Power Cables

- Standard : En50396
- Type of product : Flexible tinned copper conductor cables
- Generally conforming to National/International standards
- Weather resistant & UV resistant, Resistant to acids & alkaline.
- Low smoke emission & low toxicity/corrosivity during fire
- Full protection against ultraviolet rays
- Ambient temperature: -40°C to +90°C
- Fast & Easy installation with color identification.
- Cross Section: 2.5/ 4 / 6 Sq.mm (Redblack/Black )
- Rated DC Voltage : 1.5 KV



## AC Power Cables

- Standard : IS 1554-1&2/IS7098 - 1&2
- XLPE/PVC Power cables for 1.1 & 3.3 kv for Electrical Substations
- Single Core 10-1000 sq. mm & Multicore 6-630 sq. mm
- Type of the Conductor : Stranded / Solid, Circular / Shaped Aluminium / Copper
- XLPE Insulated cable : Higher current rating and emergency overload rating, low dielectric loss, Much better insulation resistance, Resistant to chemical & corrosive gases, Much longer life of cables
- PVC Insulated cable : High dielectric strength & resistance to DC voltage effects, High mechanical strength & resistance to abrasion + vibration, Resistant to most acids + alkalies + liquid fluids
- Cable Section: During Detail design
- Voltage : 1100V AC



# EARTHING KIT

## Design of Earthing System (As per IS, IEEE, IEC & UL Standard)

- ERT (Earth Resistivity Test)
- Soil Investigation.
- Earthing Grid, Mesh, Touch & Step Potential Calculation as Per IEEE- 80-2013 Standard.
- Design of 66/132/220/400 and 725 KV Sub Station Earthing System. Manufacturing of maintenance Free Advanced Earthing System



## Supply Maintenance Free Advanced Earthing System

- Copper Coated Solid Rod (As Per IS, IEC, IEEE & UL Standard.)
- Flat In Pipe OR Pipe In Pipe Earthing Electrode
- Ground Conductive Improve Material® (GCIM®)
- Versatile Earthing System
- Lightning Protection System

# FIRE SAFETY & LABOUR SAFETY

- Products are designed to cover basic safety aspects as well as extra protection application
- Fire extinguisher A, B, C type and CO2 based
- Fire bucket stand and fire Fire extinguisher stand
- Safety belt scap hook shock absorbers \_ 2 Mtr. Length



# MODULE MOUNTING STRUCTURE \_ MMS

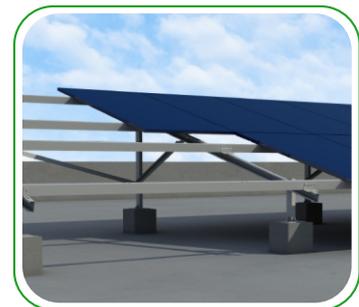
## Ground Mounted Structures

- Type of Structures: Fixed Tilt & Manual Tilt
- Tilt Angle : Depends on The Latitude
- Module Orientation: Portrait & Landscape
- Wind Speed: Upto 225 km/hour
- Material: HDGI, Posmac & Galvalume



## Rooftop Structures

- Type of Structures: Double Pole Structure
- Tilt Angle: 0-40 Degree or Depends on the Latitude
- Module Orientation: Portrait & Landscape
- Wind Speed: Upto 225 km/hour
- Material: HDGI, Posmac & Galvalume



## Flush Mounted Rail & Elevated Structures

- Type of Structures: Flush Mounted and Tilted Structure
- Module Orientation: Portrait & Landscape
- Wind Speed: Upto 225 km/hour
- Material: AL 6063 and AL 6061 - Anodized
- Mounting Type: By Self Drilling Screw, Rivet & Adhesive



# TARIFF METER



## EM101+, ER300P Tariff meter

- Measure kW and kVA along with date and demand integration period is 30 min
- Measures instantaneous parameters such as Voltage, phase and neutral current, active and apparent power, power factor and frequency
- (6+0) digits backlit display & (2-4) digits high resolution display

# ABT METER



## Two Port ABT Meter - ER300P

- kVAh, kWh, kVAh lag, kVAh lead, phase wise voltages and currents
- Multi level password for data reading and programming
- Electrically isolated optical port as per 1515959/IEC62056-21 (DLMS, CAT B)
- RS 232/RS 485. as optional communication interfaces
- DLMS as per 1515959 and MODBUS (For RS485) protocol supported
- Missing Potential, Voltage related tampers, Current related tampers, Low Power Factor, Meter Cover Open, Abnormal Magnetic influence, Wrong phase sequence detection
- Ultrasonic welding available for temper proof provision

# OTHER BOS



**SS CABLE TIE**



**U BOLT**



**WIRE AC**



**WIRE DC**



**SELF DRILLING SCREW**



**MCB**



**SPD**



**J BOLT**



**MID CLAMP**



**END CLAMP**



**P ANCHOR FASTENER  
PRODUCT**

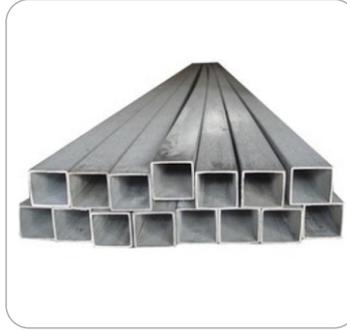


**Mc4**

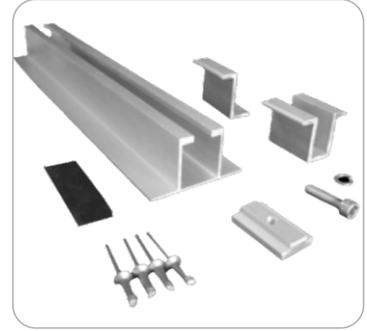
# OTHER BOS



**PVC PIPE**



**BOX PIPE**



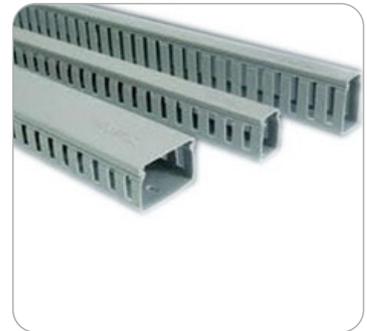
**MONORAIL**



**ZINC SPRAY**



**WIRE TAP**



**CABLE TRAY**



**LUG**



**ACDB**



**DCDB**

# VALUABLE CLIENTS



# OUR USP

-  Quality Products
-  Standard Quality Check
-  Best In Class Product Design
-  High Quality Material Used
-  Competitive Pricing
-  Faster Delivery

## BRAND WE WORK WITH

**adani**  
Solar

**WAAREE**<sup>®</sup>  
One with the Sun

**RAYZON**  
SOLAR

**SUNGROW**  
Clean power for all

 **solis**

**APLAPOLLO**<sup>®</sup>  
STEEL PIPES

**POLYCAB**  
IDEAS. CONNECTED.

**RR** KÄBEL



L&T Electrical & Automation

**GOLDI**  
SOLAR

## HEAVEN GROUP OF COMPANIES

 **Heaven**<sup>™</sup>  
Solar Energy  
Keep looking up!

 **Heaven**<sup>™</sup>  
Designs Pvt. Ltd.  
Keep Innovating!

**BG** **BGAUSS**  
VARACHHA

 **TatvamaSi**  
Labs

 **QuickEst**  
Grow Your Business

 **HIRE**  
Heaven Institute  
of Renewable Energy

 **DigiRivera**  
Build Your Brand!

 **HEAVEN**  
ENGINEERING

 **LD Texusol**<sup>®</sup>  
Switch to better!



 **Heaven<sup>®</sup>**  
Solar Energy  
Keep looking up!

**CALL NOW FOR FREE CONSULTATION**



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