

RenewSys

Corporate Presentation



- ✓ About Us
- ✓ Facilities - Hyderabad, Bengaluru, and Navi Mumbai
- ✓ Products (PV Modules, PV Cells, Encapsulants, Backsheets)
- ✓ Product Excellence
- ✓ Contacts

RenewSys is the First Integrated Manufacturer of Solar PV Modules and Its Key Components - Encapsulants (EVA and POE), Backsheets and Solar PV Cells





Established in 1961

\$300 MILLION







4000+ EMPLOYEES

www.enpee.com



RenewSys India Pvt. Ltd. is a part of the ENPEE Group.
An international conglomerate
established in 1961, with a rich heritage of
manufacturing excellence in diverse industries.



Based in Nigeria:

-  Manufacturing Metal Packaging
-  Printing Cylinders and Inks, CPP Films
-  Soaps, Personal and Home Care, Beauty and Cosmetics
-  Flexible packaging
-  Cement/ Fibre Cement Sheets
-  Construction, Chemicals, Adhesives, Power Cables

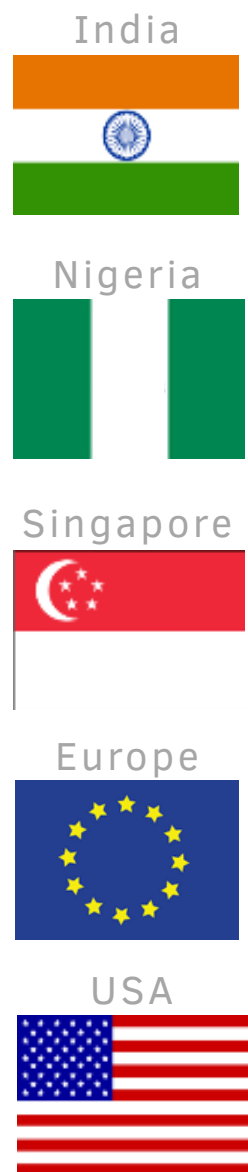
Based in India:

-  Packaging Brand Management
-  Solar PV Modules & Components
Manufacturing Facilities in Hyderabad, Bengaluru, & Navi Mumbai

RenewSys Global Presence

05.

RENEWSYS CORPORATE PRESENTATION



■ Manufacturing Facilities
 ● Offices
 ● Representatives
 ▲ Customer Presence



Manufacturing Facilities

06.

Our Bengaluru Facility:

CONSERV[®] 3 GW

EVA and POE Encapsulants

PRESERV[®] 4 GW Backsheets



Our Hyderabad Facility:

DESERV[®] 750 MW Solar PV Modules

RESERV[®] 130 MW Solar PV Cells



Our Patalganga Facility:

DESERV[®] 1 GW Solar PV Modules

Established in 2021

The Team

07.



We are:

- Diverse set of dedicated professionals
- Knowledgeable with varying skill sets as engineering, finance, human resources
- Energetic and Dynamic
- Innovative and Progressive
- Human Resource strength of approximately 1500

Environment:

- Recycling initiatives
- Sustainable and energy-efficient materials
- Innovative energy conservation solutions at all our units
- Reduced energy consumption by over 10 lakh units and water consumption by over 100 lakh liters in 2021
- 5000 trees and saplings planted over the last five years

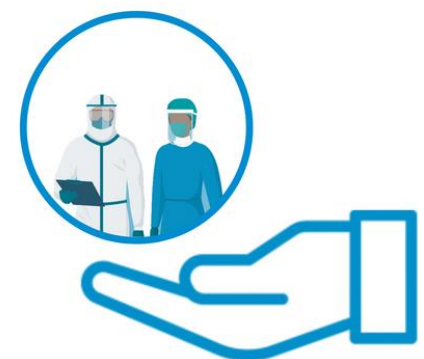
Social:

- PPE Kit Donation during COVID-19
- Proud supporter of the India One Solar Thermal Power Plant
- Healthcare & Eye-care research
- Education for the underprivileged
- Supporting local NGOs
- Sponsoring Cancer patients
- Sponsoring Ph.D. Scholarship SERIS, Singapore
- New initiative towards research into Diabetes
- The launch of a 'Vision Center' at Simga, Chhattisgarh

Governance:

- Global leaders and visionaries who provide strategic direction and guidance to the organization
- The Company, under their leadership, is looking to adopt comprehensive governance codes such as Incentivized Pay, Ethics and Anti-Corruption policy and ESG Reporting

Covid-19 Relief Outreach



Product Excellence Centre (Hyderabad)



India's Largest

PV Modules Testing Facility

- Rigorous and controlled quality
- Range of equipment including seven Environmental Chambers

Product Excellence Centre (Bengaluru)



India's 1st

NABL accredited (Bengaluru) Solar PV
Laboratory specifically for Encapsulants,
Backsheets & their raw materials

- Facilitate New Product Development
- Continuous testing and Quality Control
- Superior Equipment - Laboratory Extruder, Lab grade Laminator, and Universal Testing Machine, Environmental Chambers for Damp Heat Test, Thermal Cycling, etc.

RenewSys - The 1st

11.



- And only integrated manufacturer
- To launch India's only Glass-Backsheet Bi-facial Solar PV Module
- And only in India to receive UL approval for POE Encapsulant
- Indian manufacturer to have a dedicated 'Product Excellence Centre' NABL Accredited, offering free module wellness programme - Dr. PV from Bengaluru Facility
- In India to launch 5 BB and 6 BB solar PV Cells, Made in India
- Indian company to receive a PV Backsheet Patent
- In India to launch the fastest curing Encapsulant

RenewSys Hyderabad

12.

The home to our World Class PV Modules and PV Cells - Made in India

- ✓ At Hyderabad
Electronic
Manufacturing
Cluster
- ✓ Total area
50 Acres
- ✓ World - class
Manufacturing
facility
- ✓ State-of-the-art
European
Technology
- ✓ World - class
Racking System
on tracks

Production Capacity: DESERV and RESERV



13.

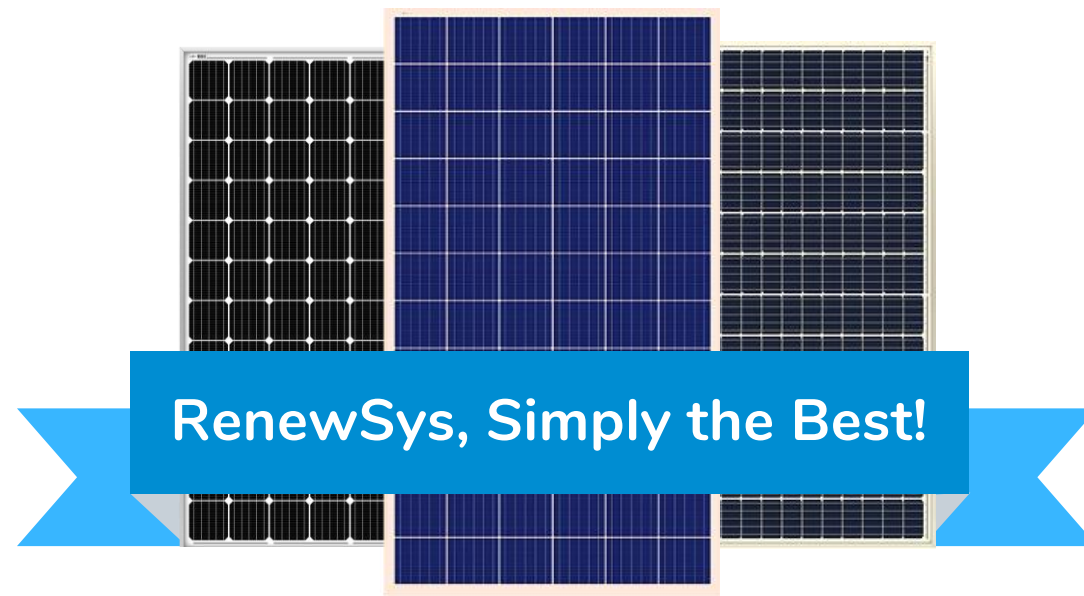
DESERV® 750 MW Solar PV Modules:

- Automated European lines to manufacture Multi and Mono, full cell and cut cell modules

RESERV® 130 MW Solar PV Cells:

- Fully automated European production lines
- PV Cells are made from undiffused silicon wafer (black wafer), as per MNRE requirements

DESERV - Product Range



Solar PV Modules

to suit application from small lighting systems to utility scale plants.

- ✓ **High Performance PV Modules**
Multi and Mono Crystalline
- ✓ **High Voltage, High Output PV Modules**
Prime and X-Prime Series
- ✓ **Higher Output PV Modules**
 - Extreme - Bi-Facial Mono PERC Cut Cells
 - Galactic, Galactic Ultra, and SGalactic Series
- ✓ **Small PV Modules**
- ✓ **Specialised PV Modules**
 - BIPV (Building Integrated Photovoltaic)
 - Semi-rigid (Multi and Mono)
 - Galactic Ultra HI and HV Mono PERC

14.

Product Certifications



- TUV Certified 61215, 61730, 60068-2-68, 61701, 62716
- IEC TS 62804, 61853
- UL Certified: 1703
- SON CAP Certified
- Meets requirements for - SASO, RRECL, GEDA
- CAN/CSA: 61730
- DEWA Listed
- Independently audited by Solar Buyer
- BIS NO.: R-63000760

Munich RE and DNVGL

- Setting industry benchmarks for transparent, reliable business
- RenewSys modules now accepted by major Developers, EPC companies and Financiers, who otherwise only accept 'Tier 1'

16.

Bankability

Transparency enhanced with audit by DNV GL - empowers customers with insights



Insurance

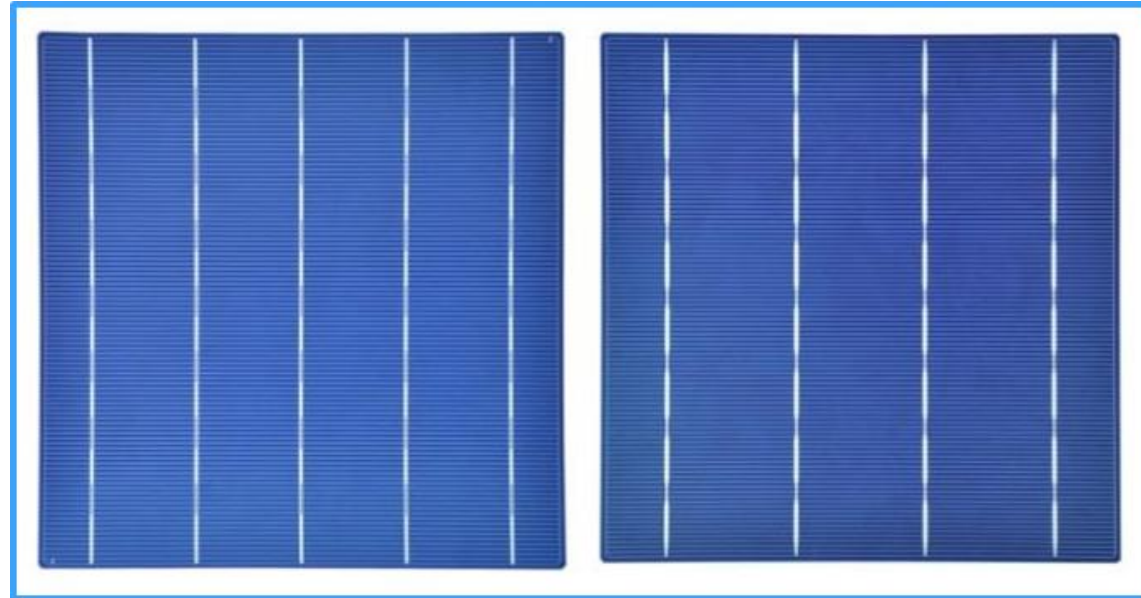
Product and performance insurance globally Re-insurance offered by Munich RE*

Warranty partner



*Terms & conditions apply

RESERV - Product Range



Solar PV Cells

made from poly-silicon
wafers and silver bus-bars

- ✓ Total cell capacity - 130 MW
- ✓ First Indian company to launch 5 BB and 6 BB Cells
- ✓ Raw materials, including high purity solar grade undiffused silicon wafer (black wafer) as per MNRE requirements
- ✓ Statistical process control during production
- ✓ 100% Inline EL Inspection
- ✓ PID Testing at cell level

17.

Packaging and Storage - Hyderabad

18.

Our storage facilities

are designed for the secure and safe dispatch of our modules and components:

- Detailed inspection SAP system ensuring safe delivery
- Capable of 15,000 module dispatches per day
- Instore software for retrieval of goods from storage
- World-class Racking System with the facility to move on tracks



RenewSys Bengaluru

19.

The home to our World Class Polymers - Made in India

✓ Located on
Bommasandra Jigani

Link Road, Bengaluru

✓ Total
area

6 Acres plot

✓ World - class

Manufacturing
facility

✓ Latest and
state-of-the-art

European
Technology

Production Capacity: CONSERV and PRESERV

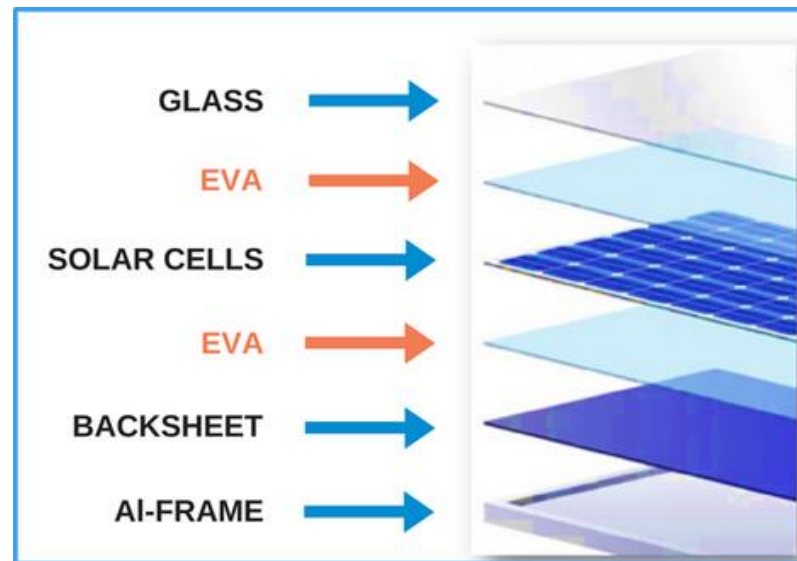


CONSERV® 3 GW
EVA & POE
Encapsulants

PRESERV® 4 GW
Backsheets & Bus Bar
Insulation Sheets

- Fully automated European production lines

CONSERV - EVA Encapsulant



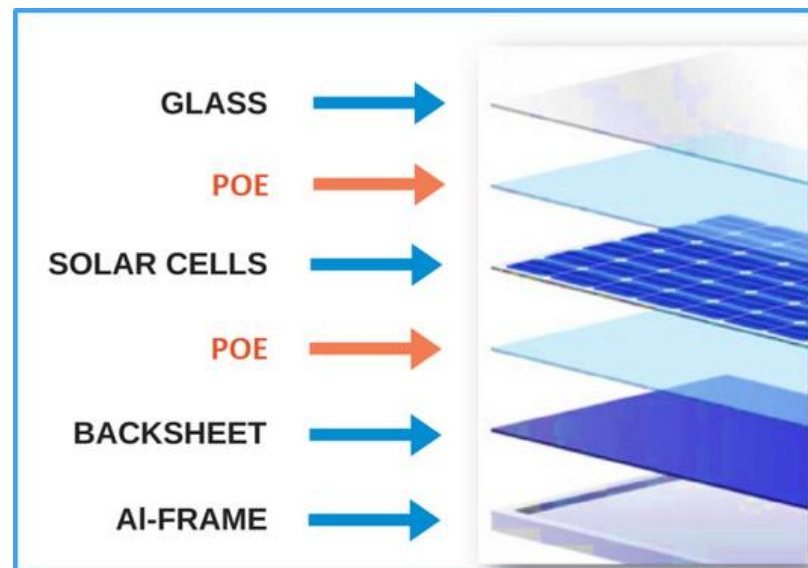
CONSERV range of Ethylene Vinyl Acetate (EVA) Encapsulants protect PV cells and the integrity of the module

CONSERV EVA Encapsulant:
Encompasses a range of products in 'Fast Cure', 'Ultra-fast Cure', and 'Giga-Fast Cure' versions:

- ✓ Potential Induced Degradation (PID) Resistant
- ✓ Ultra Violet (UV) Transparent

CONSERV - POE Encapsulant

22.



CONSERV range of Polyolefin Elastomer (POE) Encapsulants protect PV cells and the integrity of the module

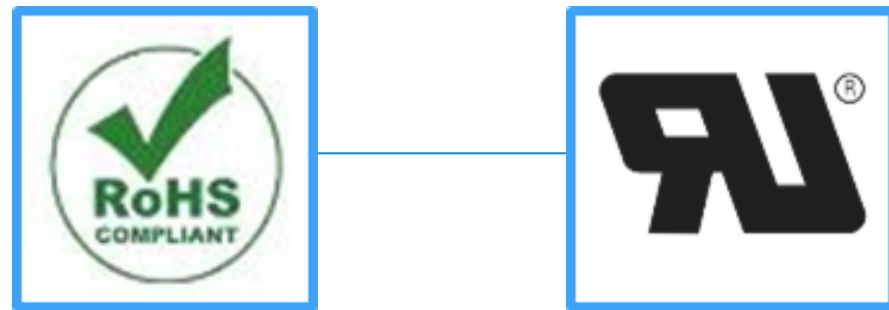
CONSERV POE Encapsulant:

Ideal for use in Glass-to-Glass PV modules, it is well suited to protect Glass-to-Backsheet PV modules also.

- ✓ India's only UL Certified POE
- ✓ Delivered advantages of TPO as well
- ✓ Unique formulation for virtually Zero PID
- ✓ Resilient in harsh and extreme climatic conditions



Product Certifications



23.

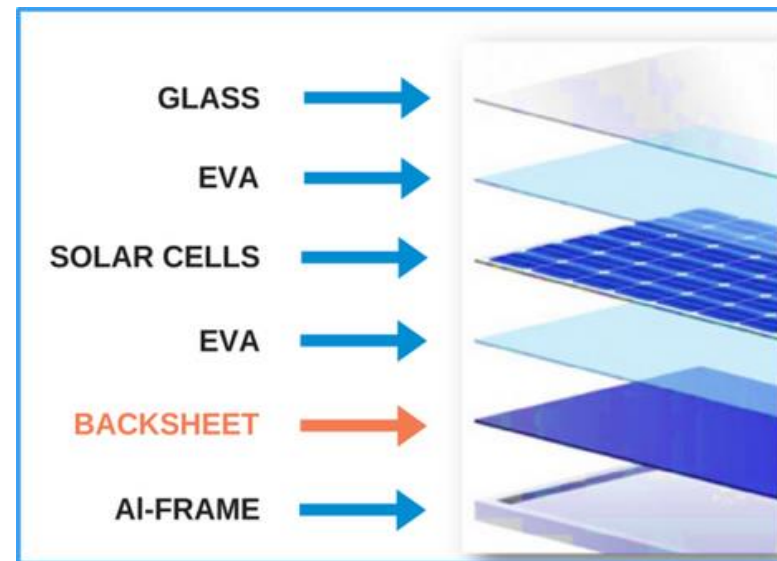
CONSERV®

- UL: UL 746A & UL746B
- IEC 61215
- RoHS
- DHT TUV Declaration

PRESERV®

- UL: UL 764A & UL 764B
- CTI (Comparative Tracking Index)
- RoHS
- Partial Discharge
- Flame Spread Index

PRESERV - Product Range



PRESERV Backsheets

protect the module from moisture and dust, and are crucial for ensuring performance

PRESERV Backsheets and Bus Bar Insulation Sheets:

- ✓ Tedlar® Backsheets
- ✓ PVDF Backsheets (Fluoro)
- ✓ Metallic-based Backsheets
- ✓ PET-based Backsheets

24.

RenewSys Patalganga

25.

The home to our World Class Large Format PV Modules - Made in India

- ✓ At Navi Mumbai
MIDC Industrial Area
- ✓ Total area
8.5 Acres
- ✓ State-of-the-art
Module Manufacturing
Technology
- ✓ Comprehensive
Product Testing
Centre

Production Capacity: DESERV



DESERV® 1 GW Solar PV Modules:

- State-of-the-art manufacturing lines to make DESERV SGalactic & Extreme Large Format Solar PV Modules
- DESERV SGalactic (Mono-facial) & Extreme (Bi-facial) modules available in the configurations of 120X, 144X and 156X

DESERV - Product Range



DESERV SGalactic Series

DESERV Extreme Series

156, 144, 120

- ✓ **Smart:** High module efficiency with half-cut Mono-crystalline Multi Bus Bars PERC Solar Cells
- ✓ **Modern:** Processed on state-of-the-art technology production lines
- ✓ **Dependable:** Use of the highest quality raw material coupled with rigorous in-house testing
- ✓ **Versatile:** Suitable for Utility, Rooftop, and other general applications

Supply Till Date

PV Modules

1.5+ GW

PV Cells

400+ MW

Encapsulants
& Backsheets

20+ GW

28.

Inception-Till date



Expansion Plan

- 2 GW Modules at Patalganga
- 1 GW Mono PERC Cells at Hyderabad
- 2 GW Encapsulants at Bengaluru

RenewSys PV Module Installation

30.



31.

Capacity: 45 MW

Location: Tuticorin, Tamil Nadu



32.

Capacity: 56 MW

Location: Barmer, Rajasthan, India

33.



Capacity: 10 MW

Location: Canal Top, West Bengal



34.

Capacity: 750 KW

Location: 39615 Zehrental (OT Drösedo), Altmark



35.

South Africa's largest ground
mounted private sector project
Project: Nelson Mandela University

Capacity: 1.1 MW

Location: Port Elizabeth, Eastern Cape

Funded by : Standard Bank of South Africa



36.

South Africa's largest
Floating Solar Power Plant

Capacity: 233 KW

Location: Western Cape, South Africa



37.



Capacity: 931 KW

Location: Bachmann AG, 6153 Ufhusen



38.

Capacity: 210 KW

Location: Amity University, Dubai

Contact Us

● Factory Contacts:

RenewSys India Pvt. Ltd.

Bengaluru Division:

Plot Nos. 21, 22, 23, Bommasandra-Jigani, Link road industrial area, Taluk Anekal, Bengaluru, Karnataka, India.

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RenewSys India Pvt. Ltd.

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RenewSys India Pvt. Ltd.

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RenewSys = Peace Of Mind

40.

Thank you!