



NEWSLETTER

February, 2024

VOL. XVII

RenewSys had a supercharged, action-packed 2023! From launching N-type TOPCon modules to ramping up production, from signing stellar deals to forming key partnerships, and more, a lot unfolded last year, with even more exciting developments slated for 2024!

Stay tuned for what's to come, and in the meantime, dive into our latest newsletter to swiftly catch up on the key highlights.

RENEWSYS LEADERSHIP UPDATE!



Avinash Hiranandani
Vice Chairman &
Managing Director



Nandkumar Pai
Executive Director



Chandrakant Modak
Executive Director



Rakesh Singh
CEO - Encapsulants &
Backsheets

RenewSys continues to forge ahead on its growth trajectory, and the bedrock of our success is our leadership team.

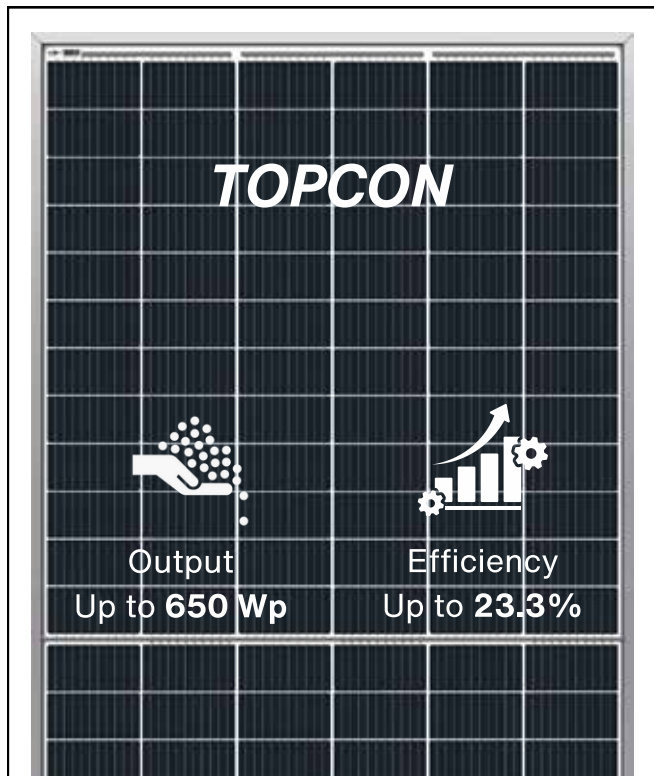
Their enduring commitment and contributions over the years have made them key pillars of the RenewSys family.

In October, Mr Avinash Hiranandani was appointed as **Vice Chairman & Managing Director** of RenewSys India Pvt. Ltd., and Mr Nandkumar Pai and Mr Chandrakant Modak assumed the roles of **Executive Directors**.

In August, Mr Rakesh Singh joined the RenewSys family as the **CEO - Encapsulants & Backsheets**.

Avinash Hiranandani, says, “Our hard work is yielding dividends, and I urge each member of the RenewSys family to keep up the excellent work. RenewSys is gearing up to double its footprint, marking an exciting phase of expansion and opportunity.”

➤ N-type TOPCon



RenewSys launched the state-of-the-art, high-efficiency N-type TOPCon module series on Oct 4, 2023, at the REI Expo in Greater Noida, India.

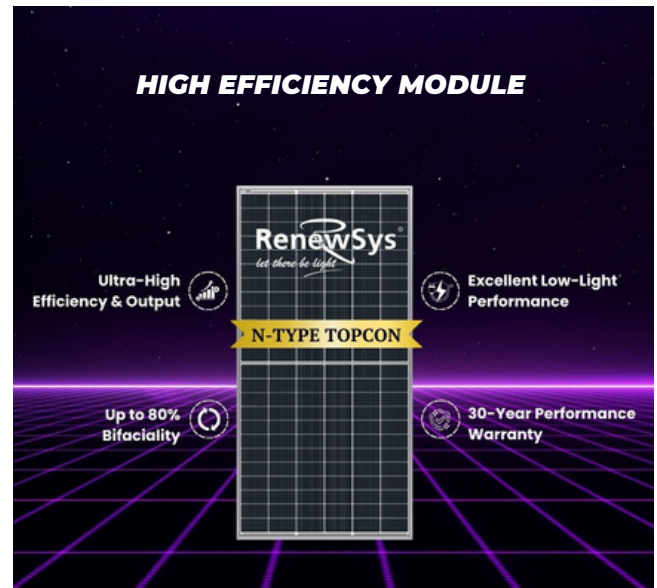
RenewSys' N-type TOPCon panels have an impressive power output of up to 650 Wp with efficiency of up to 23.3%. They also come with up to 30 year performance warranty and an extremely low temperature coefficient of $-0.29 \text{ }^\circ\text{C}/^\circ\text{C}$, making them highly reliable and suitable for various applications.

➤ TOPCon wave reaches Pune



On Dec 1, Team RenewSys conducted an event dedicated to the TOPCon solar panel technology in Pune. The event was attended by 120+ customers.

➤ Glass-Glass TOPCon Panels



Produced on state-of-the-art, highly automated lines, RenewSys Glass-Glass TOPCon panels are engineered to deliver unmatched performance in all types of weather and future-proof your solar system.

These panels use our in-house developed POE encapsulant, which has a significantly lower WVTR than the commonly used EVA encapsulant in monofacial panels. This reduces the risk of damage to the solar cells and enhances the panels' reliability, especially in high-humidity environments. Glass-glass panels also have exceptional resistance to mechanical loads due to the equal thickness of the front and rear glass sheets.

➤ TOPCon dispatches begin



December 2023 marks the beginning of our TOPCon module shipments!

➤ Copper Backsheet



The copper backsheet incorporates a layer of copper foil as its topmost or innermost layer. The copper layer serves as a conductor, facilitating the flow of electrons generated by the solar PV cells. The copper backsheet is primarily used in solar modules with Metal Wrap Through (MWT) solar cells.

➤ Aluminium Backsheet



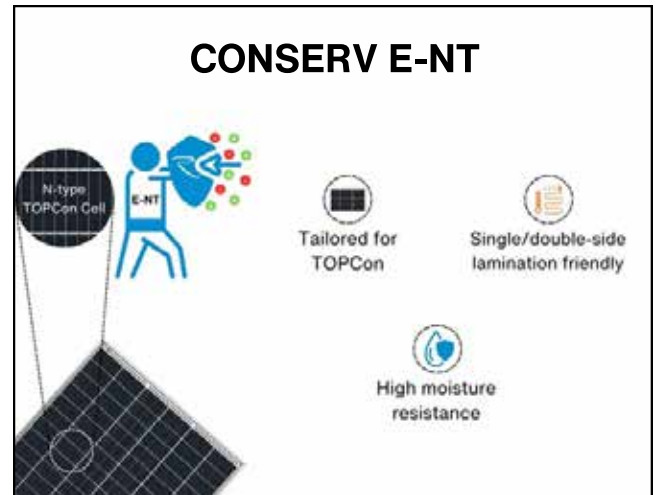
The aluminium backsheet incorporates a layer of aluminium foil, sandwiched between protective layers positioned above and below it. These layers protect the aluminum foil while shielding the modules from various environmental factors throughout their operational life.

➤ EPE Encapsulant



The EPE encapsulant is a multilayer film consisting of a thin layer of POE sandwiched between two layers of EVA. This innovative construction aims to harness the best attributes of both EVA and POE encapsulants, such as strong adhesion and excellent water vapour barrier.

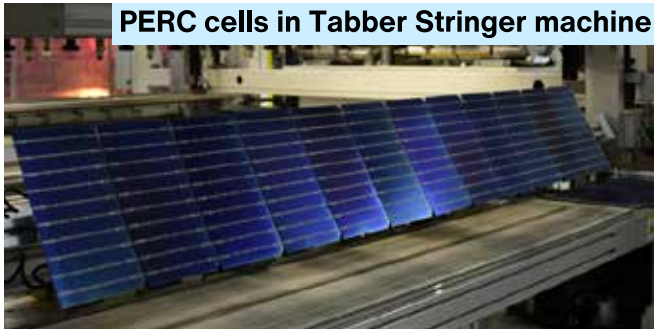
➤ POE for TOPCon



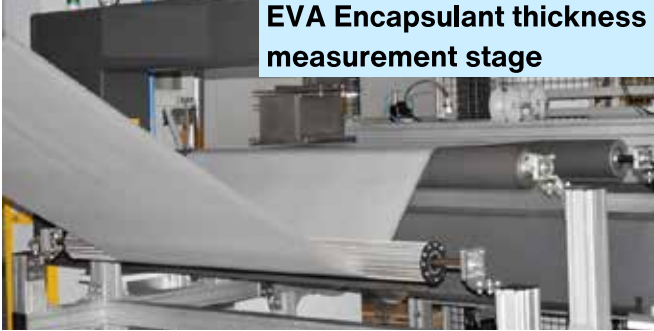
A trailblazer in PV Encapsulant and Backsheet manufacturing, RenewSys introduced India's first POE Encapsulant specifically formulated for E - NT TOPCon PV cells, CONSERV E - NT, in December.

This latest innovation is a game-changer for N-type TOPCon modules, offering unmatched output and durability.

DOUBLING CAPACITY & BEYOND



PERC cells in Tabber Stringer machine



EVA Encapsulant thickness measurement stage

RenewSys doubled its PV module manufacturing facility from 1 GW to 2 GW at its Patalganga facility on the doubly auspicious day of Akshay Tritiya and EID in April. Our Patalganga facility is the largest module manufacturing plant in Maharashtra and is equipped with the state-of-the-art technology and machines to produce the highest quality PV modules.

In addition to expanding our PV module capacity, we also ramped up our Encapsulant manufacturing capacity to 6 GW at our Bengaluru facility.

MOST SEARCHED BLOG POSTS



[Read more blogs](#)



Do Solar Panels Work on Rainy Days?



Temperature Coefficient of PV Modules Explained



The Importance of High-Quality PV Backsheets



TOPCon Cell Technology – Things to Know

RENEWSYS INKS A 100 MW MODULE SUPPLY DEAL



RenewSys signed a 100 MW solar module supply contract with Engie India at the REI Expo held in Greater Noida, India, in October 2023.

This contract is for Engie India's GUVNL 2 project, operating under a 25-year solar power purchase agreement (PPA) with Gujarat Urja Vikas Nigam Ltd (GUVNL).

RENEWSYS SHINES AT CONVENTIONS



Hyderabad

RenewSys Hyderabad division continues its winning streak, clinching Gold Awards for the 8th consecutive time at the Annual CCQC, organized by QCFI Hyderabad.



Bengaluru

RenewSys Bengaluru wins a Gold Award at CCQC, organized by QCFI Bengaluru, bringing their total to 4 Gold Awards at the state-level Quality Convention.

50,000+ FOLLOWERS ON LINKEDIN

RenewSys family grows - We crossed the 50K followers mark on LinkedIn. A heartfelt thank you to each one of you for contributing to this incredible milestone.



Scan to follow us on LinkedIn



RENEWSYS ACROSS THE GLOBE



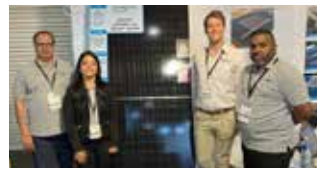
REI Expo, Greater Noida, India, from Oct 4-6.



RE+, Las Vegas, USA, from Sep 12-14



Intersolar Munich, Germany, from Jun 14-16



Solar Show Africa, Johannesburg, SA, from April 25-26

PROJECT SHOWCASE



Maharashtra, 15 MW



Uttarakhand, 1 MW



Karnataka, 2 MW



MARKING MOMENTS: CELEBRATIONS & COMMEMORATIONS



77th Independence Day



Chemical Disaster Prevention Day



Quality Month



Electrical Safety Week

RENEWSYS IN THE NEWS

30+ coverages in 2023, including from leading publications such as PV Magazine, Energetica, Saur Energy, Taiyang News, and Renewable Mirror.



Scan to read all stories:



SOLAR SMILES

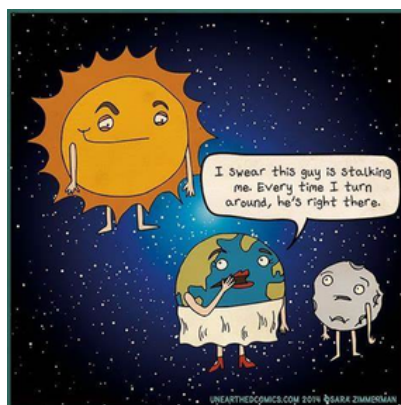


Image credits: Science Comics

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