

## RenewSys launches advanced technology improving solar affordability and accessibility at REI 2019

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- *Key innovations launched - Luminous Backsheet, Floating Solar - Backsheet & Encapsulant*
- *Innovation Hub at RenewSys striving to reduce LCOE (levelized cost of electricity) - will benefit module manufacturers, installers and end consumers looking to install solar PV*

India, September 2019: RenewSys, the **1<sup>st</sup> integrated manufacturer** of Solar PV Modules (also known as solar panels), Encapsulants, Backsheets and Solar PV Cells has strengthened its position as an 'Innovation Hub' with the launch of a host of technologically advanced products that address the key challenge facing the solar industry today – lowering LCOE (levelized cost of electricity), **at REI Noida, Booth No. 9.392.**

The two unique innovations launched here are:

1. **Specialized Backsheet for High Reflectance** - PRESERV LX range of Backsheets with a high reflectance (of over 90%)- increases the contribution of the Backsheet in the output of the modules. Simply replacing the Backsheet in any standard module with this high reflecting 'Luminous Backsheet' will improve its output noticeably. This PRESERV LX range of Backsheets (available in Fluoro & Non-Fluoro variants) also improves the life and performance of the modules, ensuring that it benefits the end consumers - whether commercial power suppliers or those installing solar plants for captive consumption as well.
2. **Making Floating Solar Affordable** - While the Luminous Backsheet is designed to increase the output of standard modules lowering LCOE, land availability continues to be a challenge for utility and large scale installations. This has brought floating solar plants into focus.

Modules installed as part of floating power plants have to face a host of varied challenging. If not accounted for, these can have a debilitating effect on a floating solar plant.

Hence, RenewSys has developed a special Moisture Resistant & High Vapour Barrier - Encapsulant and Backsheet - especially for floating PV projects that are an affordable, lightweight alternative to the Glass – Glass modules being used currently.



Being lighter in weight they are easier to handle and transport. Their formulation ensures uninterrupted performance on water bodies like lakes, rivers, canals and seas in conditions like increased UV exposure and humidity, formation of salt mist, moving substrate, etc. opening up more avenues for PV installations.

Healthy, high performing Solar PV modules require control on the entire PV value chain, i.e. a combination of 'Silicon' and 'Polymer' expertise, substantiated with focused innovation and reliability monitoring. Only an approach that factors in the long term performance of Encapsulants and Backsheets in a module, can assure reliable output through the 25+ year life of a solar project.

RenewSys has leveraged these diverse fields to launch advanced products that ensure increased output. These products that are on display at REI 2019 include - Galactic Modules – a range of high efficiency, high output modules that are IEC & BIS certified including resistance to PID, Ammonia and Salt Mist; DESERV Extreme – India's only Glass-Transparent Backsheet Module engineered using a specialized backsheet manufactured in-house; RenewSys Multi Modules – fully DCR compliant- manufactured with RenewSys Made in India Cells and two ultra light-weight – Flexible & Semi-Rigid modules suitable for all roof types. RenewSys also holds to its credit India's only UL certified POE and the launch of India's first 5BB and 6 BB cells.

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**About Us:**

RenewSys is the 1<sup>st</sup> integrated manufacturer of Solar PV Modules (750 MW) and its key components – Encapsulants (1.4 GW), Backsheets (3 GW) Solar PV Cells (130 MW).

It is the 'Renewable Energy' arm of the the Enpee Group of companies, an international conglomerate with nearly 60 years of manufacturing experience in diversified businesses. Read more at [www.enpee.com](http://www.enpee.com)

Since 2015, RenewSys has consistently proven itself as a global, quality manufacturer, scaling up to the 750 MW we have achieved today by winning the trust and support of partners worldwide.

RenewSys has offices in India, Mauritius, Nigeria, South Africa, Singapore, UAE, UK, China and representative offices in USA, Mexico, Brazil and countries across Europe; our distributor network is evolving as well.

Home to **India's 1<sup>st</sup>** 5BB and 6BB PV cells, India's only Bi-Facial, Glass- to -Transparent Backsheet Module, High efficiency - DESERV Galactic and DESERV Extreme modules and specially designed flexible, lightweight modules; the RenewSys Hyderabad Facility is a hub for cutting edge R&D, design thinking and innovation.

The RenewSys Bengaluru plant houses a state-of-the-art reliability testing lab and world-class European machinery that has produced and supplied over 7 GW of Encapsulant and Backsheet worldwide.



One of our highest grossing export products is POE Encapsulant, which combines the benefits of existing POE and TPO Encapsulants for an unmatched performance in both Glass to Glass and Glass to Backsheet PV modules. This product is India's only UL certified POE and was recognised as a Finalist at the InterSolar Europe Awards 2018.

Read more at [www.renewsysworld.com](http://www.renewsysworld.com)