



Jakson offer both MonoPerc and advanced N-type technologies with modules up to 590Wp in power rating

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Jakson Green is advancing the energy future of India with cutting-edge solar technologies, expanding the production capabilities. It has plans to showcase the company's innovations at the REI Expo that will drive sustainable growth and energy security. Sundeep Gupta shares more about the sector in talks with the EPR Magazine.

How do technological innovations support 'Viksit Bharat' goals?

The Viksit Bharat initiative aims to propel India towards developed nation status through comprehensive growth strategies across various sectors, including renewable energy. To align with these goals, our company has embraced innovative technologies and expanded our production capabilities, particularly solar energy. We are committed to enhancing our manufacturing of high-efficiency solar modules and cells, focusing on technologies like TOPCon and HJT, which promise higher efficiencies and better adaptability to India's diverse climatic conditions.

This strategic shift boosts our production capabilities and strengthens our domestic and international market position, promoting sustainable growth and decreasing import reliance. By building a robust ecosystem within India, we generate significant job opportunities and enhance local

supplier networks. This initiative supports technology advancements, optimisation, and enhancement of manufacturing process, and workforce skill, driving India's self-sufficient solar energy sector.

How do advanced battery technologies improve solar power reliability and energy security?

Solar energy stands at the forefront of addressing energy security challenges in India by providing a stable, sustainable, and cost-effective power supply. By diversifying energy sources and reducing dependence on imported fossil fuels, solar power enhances energy security while contributing to ecological sustainability. The government's push, through schemes like PM Suryodaya Yojana, further incentivises the adoption of solar energy, driving significant installations across rural and urban settings.

Moreover, the integration of advanced battery storage technologies has allowed for better grid management and reliability, ensuring continuous power supply even during non-sunny hours, thereby addressing intermittency issues commonly associated with solar power.

How does the new module line enhance Jakson Green 1.2 GW production capacity?

This year, we have commissioned a new 600 MW module line, equipped with fully automated capabilities to produce modules using the latest N-type multi-bus bar technologies. Our total annual module production capacity now stands at 1.2 GW. We offer both MonoPerc and advanced N-type technologies, with modules up

to 590Wp in power rating. Catering to diverse customer needs, we provide both monofacial and bifacial modules, ranging from glass-to-transparent backsheet or glass-to-glass options, and offer up to a 30-year performance warranty. We are on track to expand our manufacturing capacity to 2 GW by the end of this fiscal year. Additionally, our commitment to quality and innovation has been recognised with our inclusion as a PVEL top performer in the 2024 scorecard.

How will showcasing innovations at REI Expo strengthen your market position?

At the upcoming REI Expo, one of the largest renewable energy events in the country, we are thrilled to showcase our latest solar modules and cutting-edge technologies. Alongside the exhibition, we invite customers to visit our nearby module manufacturing plant, offering a firsthand look at our advanced production capabilities. This expo provides an excellent opportunity for us to strengthen relationships and forge new partnerships with customers, partners, and suppliers, enhancing collaboration and exploring new business avenues in the renewable energy sector.

Our participation highlights our dedication to innovation, quality, and sustainability, aligning with national objectives to drive forward a sustainable and energy-secure future. These efforts not only meet current market demands but also support our strategic vision of contributing to global environmental goals and reinforcing the position of India in renewable energy.



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