

“Jakson Group, the first manufacturer of Silent Gensets in India, is a leading energy Company focused on delivering superior product quality & Customised Energy Solutions. Our R&D team based at Noida is continuously working around innovative solutions in distributed energy.”



SAMEER GUPTA
CHAIRMAN AND
MANAGING DIRECTOR
JAKSON GROUP

Q. Please tell us about Jakson Group's journey in India.

Jakson was established in the year 1947 and the group has diversified from a Diesel Generator Manufacturing company into a diversified Energy Solutions Company providing expertise in the fields of Distributed Energy, Solar Power, Solar and Electrical EPC & IPP Solutions. The Company has an extensive presence throughout India with 3 manufacturing facilities, 6 Independent Solar Power Plants, a Global Training Centre, 30+ Sales Offices and a wide network of channel partners and dealers making Jakson as one of the top 10 energy companies in India. The company has business interests in countries like Bangladesh, Nepal, Bhutan, Dubai and the African Sub Continent. The Company employs over 2500 persons and we have our Head Quarters in Noida in the National Capital region. Jakson has business interests in Hospitality, Education & Infrastructure Sectors.

Our products and solutions range from diesel generating sets to solar modules, Hybrid Energy Storage Systems, Customised Energy Solutions, Solar roof top, Micro grids, Electrical EPC, Civil EPC and utility scale solar EPC projects.

We have emphasis on Superior Quality Product's & Customised Solutions and we offer the most viable & cost effective Solutions to our Clients which is backed up by our long standing expertise in the Energy Industry.

Today Jakson is one of the top 10 solar companies in India. The Company has made remarkable contributions in the areas of renewable energy. Jakson is committed to contribute significantly towards achieving India's goal of 450GW of renewable energy by 2030. Our Philanthropic contribution is aligned to meet the SDG's outlined by the United Nations & India with an emphasis on Quality Education and environmental sustainability.

Q. What are the solutions and services available for the construction industry?

As a Company, we have a variety of solutions for power support & backups that range from Gensets, Battery Based Energy Storage Systems, Solar Roof Top Solutions and Solar as well as Electrical EPC solutions including building electrification, civil construction, sub stations etc.

Q. Please tell us about your manufacturing and R&D facilities. How the Company is evolving itself to be a sustainable manufacturer?

Jakson Group has three manufacturing facilities, two of which are for genset manufacturing which are situated in Gujarat & Jammu and the third one is for manufacturing of solar modules, MMS and solar off grid / on grid kits.

Jakson has focus on R&D of solar modules and Distributed Energy solutions. Recently we launched our Helia Series of solar modules of 590 Wp and we are the first Indian company to have indigenously developed this rating of solar module. The entire design was done in house and the performance as well as specifications are better than global products.

We have a Global Training Centre in Noida where our R&D team is working on innovating solutions around Distributed Energy. We are launching a pollution free battery based Energy Storage Solution which will help India in moving towards carbon neutral goals. We will be the first Distributed Energy company to launch this product in India.

At Jakson we are working towards net zero energy and we are hopeful that Jakson would achieve this target of being carbon neutral before 2050.

We are committed to Green development and all our offices, plants and facilities are Green Buildings. Not only our infrastructure, even the business model has been re-invented to achieve green objectives.

Q. How, in your view, has generator technology improved in recent years?

Jakson Group, the first leading manufacturer of silent gensets in India, works closely with Cummins to develop new products, applications, and technologies. At Jakson, we implement regular upgrades and changes to the power electronics design on our existing product lines. We have collaborated with Cummins for a new range of products meeting the next level of emission norms (CPCB IV+) likely to be enforced for diesel generators. We have also reduced the footprint of our gensets to combat space constraints of users. We are using Telematics technology for monitoring the performance of gensets remotely.

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Q. Battery storage has become of much greater interest in recent years? Why is that, what are the benefits of energy storage technology?

The 1st & most important USP of BESS is that it provides carbon-free clean silent power. This energy storage system enables uninterrupted power supply while significantly reducing costs. Equipped with a hybrid inverter, lithium-ion batteries, and intelligent energy systems, it combines grid power, solar energy, and DG (Optional). Its compact and modular design makes it easy to transport and install, while fast-charge capability and low-system energy consumption makes it practical and pocket-friendly. BESS's uninterrupted power supply ensures zero production losses and that day-to-day operations continue without any disruption. With the development of the Battery Energy Storage system, Jakson Group takes a step forward towards mission 'Aatmanirbhar Bharat.' It is committed to mitigating climate change and building a Self-reliant India. BESS is most suitable for critical applications like Healthcare, Telecom, Defence, Cold Storage, ATMs & many more. Its capacity begins at 5KW & can be scaled up & customised to meet the energy requirements of various customer segments.

Q. Why should one go for a Jakson generator over others? What are the unique selling propositions of Jakson's products?

1. Reliable & dependable brand serving India since 1947
2. Widest pan-India sales & service network
3. High performing engines in the roughest terrains
4. Latest global technology with proven performance
5. Widest range of gensets
6. Over 50,000 loyal customers pan India

Q. What are some of the leading projects executed by the Jakson group in India?

In the Genset segment, we have provided uninterrupted power back up to The Eden Gardens Stadium in Kolkata, International Airports across the country, Defence Forces & Chandrayaan -2 launched by ISRO.

Manufacturing & Pharma are amongst our leading clients, followed by Banking, Commercial & residential real estate. We are the pioneers in upholding clients from Cold Storage and Service industries like data centres and retail.

In the Solar segment we have been pioneers in launching the 1st Solar Train for Indian Railways. Apart from this we have commissioned many highway, airports & canal top projects including roof top projects for the Rashtrapati Bhawan. We have recently commissioned a 50MW IPP project in the Taj City of Agra, a Solar EPC project of 50MW in Togo Africa and are in the process of commissioning another 70MW IPP plant in Assam.

Q. What is the global footprint of Jakson Group?

Jakson Group is present in Bangladesh, Africa, Dubai, Nepal and Bhutan for our various products and services.

Q. How's the response you are getting in the Indian market? What are the plans for the future?

During the pandemic, we have seen the peak demand of our gensets in healthcare & hospitals ranging between 250kVA and 1,500 kVA. Now with the economy opening up, the demand for gensets has been on the rise especially in Manufacturing & Infrastructure projects. Generating sets would continue to be in demand and we do forecast this market to keep growing by around 10% year on year over next ten years or so.

Demand for Solar modules and solutions is on the rise. Since there is significant push for Make in India, we are hoping that manufacturing capacity in the Country will double up in next two years. Jakson's module manufacturing capacity would be at 1 GW by mid of 2022. We are seeing rising demand from Middle East, Africa and Europe besides India. We should grow at a CAGR of 25% over next 5 years in our Solar Business.

There is huge focus on Infrastructure by Govt of India which is unleashing opportunities in EPC space. Not only India, we are seeing demand from Africa and Middle East in the EPC segment as well. Jakson is expected to grow at CAGR of 50% over next 5 years for its EPC business. 