



**Jakson Group**

A-43, Phase-II Extn., Hosiery Complex, Noida-201305, Uttar Pradesh, India  
Contact: 0120-4302600, 4526100, Toll Free No. 1800 103 2600  
E-Mail: [info@jakson.com](mailto:info@jakson.com) | Website: [www.jakson.com](http://www.jakson.com)

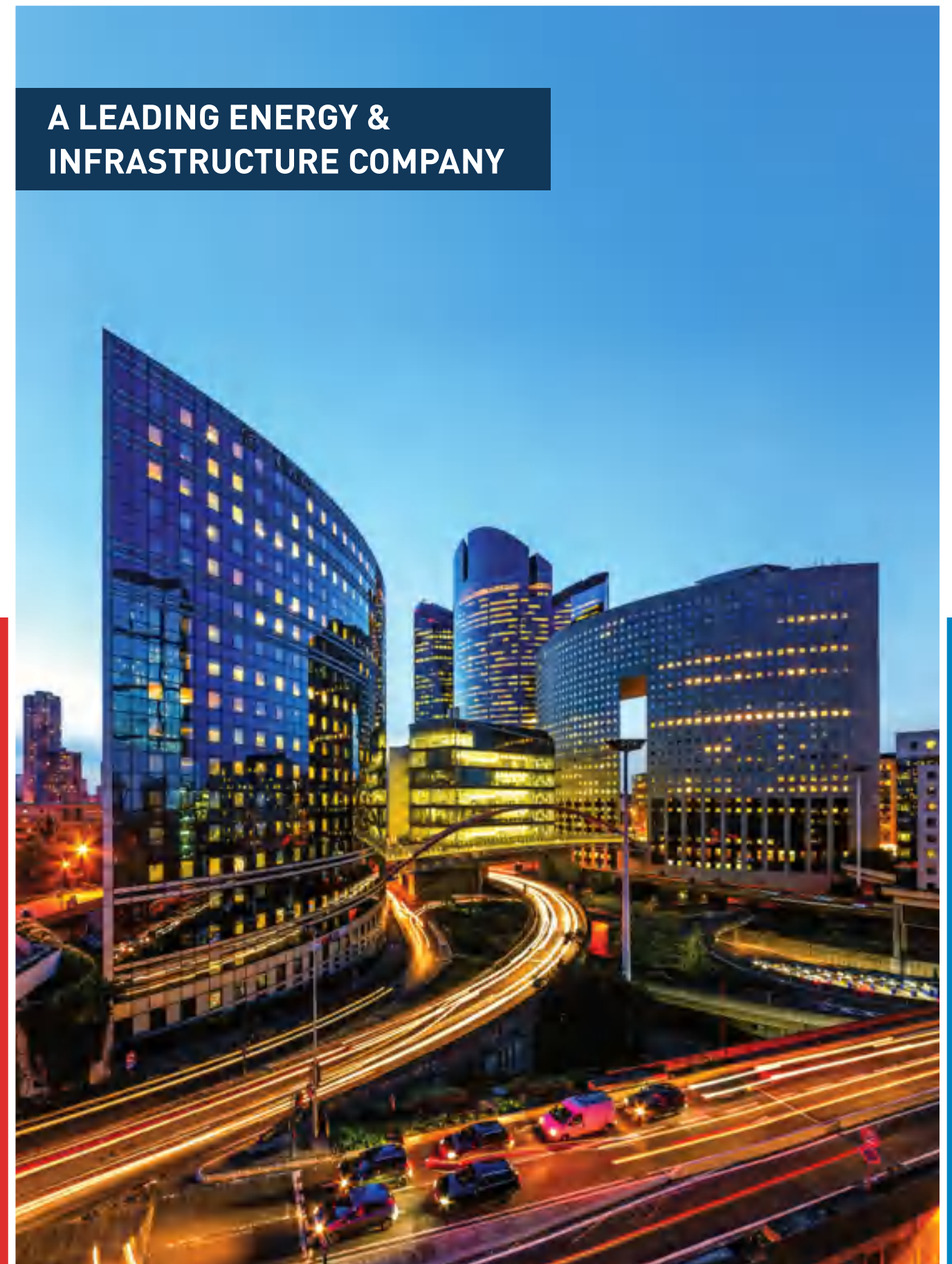
**Registered Office**

A-626, 6th Floor, DLF Tower A, Jasola, New Delhi-110076



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**A LEADING ENERGY &  
INFRASTRUCTURE COMPANY**





# SERVING THE ENTIRE ENERGY ECOSYSTEM FROM GENERATION TO STORAGE



## CORPORATE OVERVIEW

Sustainability is the key and a significant driver of innovation. For several decades, Jakson's quest for sustainability has been paving the way to transform the competitive landscape. Furthermore, it motivates us to adopt a revolutionary approach to products, technologies, processes, services, and business models.

This year Jakson celebrates its 75th anniversary, a monumental one, and is making significant strides in turning the Environmental, Social, and Governance framework into action. We are committed to creating outcomes that drive sustainable business values while strengthening our environment, people, and communities. With the glorious history of our excellence and profound culture, we believe that peerless potential for future Sustainable Energy Solutions is rooted in the efforts devoted toward today's foundation. Incorporating the same theory and investing in innovation, Jakson, with its state-of-the-art technology, products & solutions, is committed to the nation's target to achieve 500 GW of renewable energy installed capacity by 2030.

We have evolved as an authoritative brand in Distributed Energy, Solar modules & products, and Solar & Electrical EPC Solutions. We are pursuing the path for new energies that will create a meaningful impact on the environment. Credit to our out-of-the-box approach and competitive mindset through which we have steadfastly continued our commitment to excellence and trust.

To make green energy the backbone of a carbon-neutral future and become instrumental in bringing the world to net-zero emissions in the coming decades, Jakson announced its new venture Jakson Green Pvt Limited (JGPL). Jakson Green Pvt Limited will focus on Green Hydrogen & Ammonia, Biomass to Energy, Electrolysers and Fuel cells, Utility-scale Battery Energy Storage Systems(BESS), Solar and related Operation & Maintenance services across all these lines of business. Apart from the energy spectrum, Jakson has also forayed into other businesses like hospitality, real estate and infrastructure.

It goes without saying that this monumental success is dedicated to the dedicated efforts and support of all our stakeholders, most important being employees, customers and partners. By carving a new path to excellence and charting a new roadmap for success, we look forward to more people joining hands with us in pursuing new opportunities.

We would like to sincerely thank all of you for being a part of this journey as we get more committed to our mission to empower communities. At Jakson, we will be at the front to contribute to India's target of being a net zero emission Country by 2070.





(From L-R) Sameer Gupta, Chairman & Managing Director,  
Shri Satish Kumar Gupta, Founder  
& Sundeep Gupta, Vice Chairman & Managing Director, Jakson Group

## CORPORATE HISTORY

On the eve of Indian Independence, Shri Jai Kishan Gupta, a young migrant from Pakistan established a small electrical goods shop in Delhi's Kamala market. This humble beginning led to the creation of Jakson Group in 1947.

In the late 1960's, Shri Satish Kumar Gupta, the young son of Shri Jai Kishan Gupta joined his father in the family business. With his entrepreneurial spirit, Shri Satish Kumar Gupta ventured into Diesel Generator manufacturing in 1979 and in a short span of a few years, transformed Jakson into a market leader of the genset business in India.

Today, the organization is spearheaded by Sameer and Sundeep Gupta, sons of Shri Satish Kumar Gupta. With an aim to transform the company into one of India's leading energy and engineering company, the two brothers not just grew its legacy diesel generator business but also diversified into new areas. Jakson Group primarily has presence across the Distributed Energy, Solar and EPC sectors.

Jakson's core purpose is to enhance the quality of life for all stakeholders by creating a sustainable organization. In the past seven decades, it has built an organizational culture rooted in integrity, customer centricity, innovation, teamwork and care.



## MANUFACTURING FACILITIES

### GENSET MANUFACTURING PLANT (KALSAR, GUJARAT)

Jakson manufacturing plant in Kalsar, Gujarat, was established in 2011 and serves as an integrated plant for manufacturing DG Sets and acoustic enclosures. The plant has an installed capacity of 12000 generators and 20,000 enclosures annually. It has a total manufacturing space of 3.5 lakh square feet and is spread across 17 acres.



### GENSET MANUFACTURING PLANT (KATHUA, JAMMU & KASHMIR)

Jakson also has a manufacturing plant in Kathua, Jammu & Kashmir. The unit is equipped with state-of-the-art infrastructure to cater to the increasing domestic requirement for DG Sets. The plant is built over 7 acres and has an annual capacity of 2000 Diesel Generators.

### SOLAR MANUFACTURING PLANT (GREATER NOIDA, UTTAR PRADESH)

Jakson's Solar Manufacturing Facility in Greater Noida, Uttar Pradesh, is spread over 2 lakh square feet and manufactures a wide range of solar modules, components and solar products. The PV module plant was commissioned in 2016 and currently has an annual capacity of 600 MW, which will be enhanced to 1.2 GW shortly. The fully-automated plant is equipped to manufacture state-of-the-art half-cut cell PV modules and conventional full-cell modules. It is certified for operations conforming to ISO 9000, ISO 14000 and OHSAS 18000 standards.



### BESS MANUFACTURING PLANT (GREATER NOIDA, UTTAR PRADESH)

This plant can manufacture Battery Energy Storage Systems, which range from 5KW to 1000KW and can be further scaled up through customized solutions to meet large industrial applications. The plant also has an R&D centre focused on developing new energies.



## DISTRIBUTED ENERGY BUSINESS



Distributed energy or behind-the-meter on-site generation of electrical power is increasingly becoming popular nowadays. Due to increased focus on reducing emissions and carbon footprint, commercial, industrial and residential consumers are investing in renewable energy technologies.

Solar Rooftop Solutions and Battery Energy Storage Solutions are the rapidly evolving renewable energy technologies that appeal to all these consumers as they are relatively more efficient and not only lead to environmental protection but also reduce power bills. Today, these rapidly developing renewable energy technologies have made it more feasible and affordable to generate electricity on a small scale. In the near future, we will witness an increased demand for hybrid power solutions, including an intelligent combination of Grid Power, Diesel Generating Sets, Solar Power and Battery Storage Solutions.

### Our Distributed Energy Business Offerings:

- Diesel Generators
  - Gas Generators
  - Diesel Power Plants
  - Parts Distribution & Service
- Solar Rooftop
- Battery Energy Storage Systems (BESS)
- Hybrid Energy Systems
- Energy Solutions for Defence Applications

## DIESEL GENERATORS

Jakson is a pioneer of the diesel generator manufacturing industry in India. The company inaugurated its first manufacturing facility in 1979 at Mayapuri Industrial Area in Delhi with an annual capacity of 60 DG sets. Jakson offers a comprehensive range of Cummins generators ranging from 7.5 kVA to 3750 kVA in a single node that can meet the diverse energy needs of industrial, commercial and individual customers. Jakson DG Sets are customers' preferred choice across a wide range of industries that include Infrastructure & Realty, IT & ITES, Healthcare & Hospitality, Agrochemical, Automobile, Manufacturing and Agro & Aqua.

Our know-how is built on over 75 years of engineering excellence & our partnership with Cummins, the world leader in Diesel Engines. Jakson silent generators are known for their fuel efficiency, low emissions, superb performance and rugged reliability. This is why consumers have chosen to use silent generators manufactured by the Jakson Group over a variety of Genset manufacturers in India. Jakson takes pride in being the forerunner of the Indian diesel generator industry and has continued its legacy and excellence over four decades with utmost integrity, innovation, customer centricity, teamwork and care, which are also the company's core values. We are the pioneers in the diesel generator industry, having introduced the concept of silent gensets in India.

Together with Cummins, Jakson is a market leader across India's low, mid and high-capacity diesel generator market. As the business grew, it expanded its manufacturing footprint by establishing new plants in Kathua and Daman. The Daman plant was one of the country's most advanced diesel genset manufacturing units during the early 2000s. To keep up with the growing demand for its silent gensets, the company consolidated its DG Sets manufacturing facilities and has state-of-the-art manufacturing plants located in Kathua and Kalsar.





## GAS GENERATORS

Jakson can offer gas generators greater than 1000 KW rating. These generating sets are built with dependable Cummins engines, alternators and PowerCommand™ controls offered in the Lean Burn variant. These are suited to applications where onsite fuel storage is restricted, a continuous supply of natural gas is readily available, and local environmental considerations lend preference to gas-powered equipment.

Our generating sets result from integrated design and manufacturing to meet your requirements for reliability, power quality, rated performance, and efficient operation. The plant extends 20 km tips to tape & 40 Km plus of fencing. More than 900 people have worked in this plant at one time.



## DIESEL POWER PLANTS

Diesel Power Plants remain the first choice for captive energy generation worldwide. These power plants offer greater reliability and grid-independent operations. It also protects them against all kinds of power outages. Jakson is a leader in diesel power generation. We have the requisite expertise and resources to set up world-class diesel power plants to meet customer needs across industries. We provide complete turnkey services that include site evaluation, installation, operations, maintenance and a proficient after-sales support network. With heavy-duty Cummins engines that are known for their fuel efficiency and dependability, our power plants provide performance that customers need to achieve optimal returns on their investment. Whatever the size or type of application, we have the expertise to deliver tailor-made solutions to fit diverse customer needs.

## PARTS DISTRIBUTION & SERVICE

Jakson's parts distribution and service business delivers after sales service of Cummins engines and provides genuine spare parts. This specific line of business also provides annual maintenance service contracts to Cummins genset customers. The parts distribution and services business ensures Cummins customers have access to genuine products and highest levels of customer service.



## SOLAR ROOFTOP

Jakson is rated amongst one of the Top Rooftop Solar Companies in India. The need for Rooftop Solar power plants is increasingly gaining popularity across a wide range of industrial, commercial, and residential sectors due to the relatively lower cost of investments and lesser complexities involved in setting up a plant.

We at Jakson possess years of expertise and in-house engineering capabilities to build innovative rooftop solar power plants of all sizes - from a few Kilowatts to large Megawatt-scale plants depending on customer requirements. Our rooftop solar EPC portfolio comprises several renowned projects, including the President's Estate (Rashtrapati Bhawan), solar rooftop on Indian Railways coaches, Varanasi & Raipur Airports, and Delhi Metro Rail Corporation, India. Our solar train project for Indian Railways has been recognized globally for its innovative design and engineering.



## BATTERY ENERGY STORAGE SOLUTIONS



Jakson Group has taken the lead in developing a Battery Energy Storage system, 'EnerPack', which provides carbon-free clean power, contemporarily designed to suit all segments and enables uninterrupted power supply while significantly reducing costs. Along with promoting continuous use of renewable energy and reducing the carbon footprint, BESS promises no noise or air pollution and is a highly user-friendly pick. Equipped with a hybrid inverter, lithium-ion batteries, and smart energy systems, it combines grid power, solar energy, wind power and DG.

It is scalable to any battery and a new energy platform. 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. Uninterrupted power supply provided by BESS ensures there are no production losses and day-to-day operations and processes continue without disruption. Zero diesel requirement equates no running cost and zero maintenance while providing instantaneous power backup.

The uninterrupted power supply is especially crucial for industries such as healthcare, defence, cold storage, IT and telecommunications, ATMs etc., where even a few minutes of power disruption comes at a huge cost. The usage of Jakson BESS is also a step towards the mission "Aatmanirbhar Bharat" of the Government of India by committing to mitigate climate change and building a Self-reliant India.

### Salient Features:

- Zero Carbon Emission - Silent & Clean Power
- Uninterrupted Power Supply
- Instant Back-up
- Zero Maintenance
- Modular Construction
- Negligible Running Cost & High Life Cycle
- Zero Operational Losses like Fuel Theft
- No Statutory Approvals Required
- Designed for Heavy Duty Loads such as AC and Motor Loads
- Wide Product Range meeting Residential, Commercial and Industrial requirements

## ENERGY SOLUTIONS FOR DEFENCE APPLICATIONS



Jakson Group provides customised Defence Repowering Solutions that meet the critical power-backup requirements of the Indian Armed Forces. The Defence Energy Applications vertical was set up a few years back to serve the energy needs of the Indian Defence Forces in line with the Government of India's policy of "Make in India" and "Vocal for Local" products. Manufacturing of Military Grade DG Sets, Defence Repowering Solutions, Ground Power Units, and Auxiliary Power Units is the niche product capability apart from undertaking projects requiring research and development to manufacture power backup and supply units.

The versatile defence application solutions offered by Jakson Group meet the stringent quality requirements of the Armed Forces. They have been successfully adopted for direct military application and by leading system integrators. In a short span of a few years, Jakson's Energy Solutions for the Defence Applications vertical has achieved the capability to develop high-end products complying with JSS-55555, CQAL-640, and MIL 461 EMI/EMC standards for military applications. Jakson has an in-house, well-equipped prototyping shop, R&D facility and a NABL-certified testing facility, which contribute to its expertise in developing dynamic power solutions for the Defence Sector.

Jakson Group is also a proud member of the Society of Indian Defence Manufacturers (SIDM), a society nurtured and supported by the Confederation of Indian Industry (CII). SIDM works proactively with the government and other stakeholders to catalyse the Defence Industry's growth in India and strengthen the country's clout in indigenously manufactured defence products leading us to a Self-reliant India.

### Our Defence Power Solutions Include:

- All specialized Military-Grade DG Sets required for Defence application conforming to Mil-Grade 461 specifications for environmental and EMI/ EM Compliance, Power Packs involving the use of Gensets, UPS, battery banks, containers, trailers, etc.
- Defence Repowering Solutions to meet the indigenous repowering requirements of all tracked and wheeled vehicles (including Self Propelled Guns, tanks and variants including ex import vehicles).
- Ground Power Units (GPU), which are essentially diesel generating sets for military applications like application in Radar, supply of Air Force gensets, backup power for a range of equipment such as UAV application, backup power for artillery application and back-up power for missile launcher as well as for communication equipment.
- Customized Auxiliary Power Units (APU) of military equipment conforming to Mil-Grade specifications used for environmental control, battery charging, powering, and backup facilities.





Solar energy is the most abundantly available renewable energy resource on Earth, which carries the potential to cater to humankind's energy requirements in a sustainable manner. It can be obtained and used in several ways, and as a renewable energy source, it is an integral part of our desired affordable and clean energy future. The unprecedented growth and evolvement of Jakson as a leading solar power company has placed Jakson among the top 10 Solar Companies in India.

Jakson Solar Modules and Products Business comprises the manufacture and sales of Solar PV panels, Solar Power Packs and Solar Inverter. Jakson's solar products portfolio includes a wide range of B2B and B2C products distributed through a dedicated Channel Partner and Dealer network in India and overseas. These include On-grid solar power packs ranging from 3 KW to 100 KW, pre-designed and used by residential, commercial, and MSME customers for solar rooftop applications.

Our Solar Business Offerings:

- Mono-Facial Solar PV Modules
- BI-Facial Solar PV Modules
- Solar On-grid Kits

With a rich heritage of manufacturing excellence, Jakson ranks among Top 10 Solar Module Manufacturers in India. The company operates a state-of-the-art module manufacturing facility in Greater Noida (Near Delhi, Capital of India), with an annual operating capacity of 600 MW. This is being further scaled to 1.2 GW annual capacity. The facility is well equipped to produce Nextgen Solar PV modules with MBB and half-cut technology in both Monofacial (Helia Series) and Bifacial (Helia Plus Series) variants, ranging from 400 Wp to 600 Wp. Jakson solar modules conform to the highest quality standards and have been certified as per latest IEC, UL and BIS Standards. The Helia Series modules are approved under ALMM (Approved List of Modules Manufacturers) certified by MNRE (Ministry of New And Renewable Energy).

HELIA SERIES - HALF CUT CELL RANGE



MONO-FACIAL SOLAR PV MODULES  
400-600 Wp



BI-FACIAL SOLAR PV MODULES  
400-555 Wp

BI-FACIAL BLACK PESH SOLAR PV MODULES  
400-555 Wp

Best In Class Efficiency  
Up to 21.50%

MBB Technology using  
M10 Half Cut Cells

Approvals and Certificates:  
IEC 61215, IEC 61730 (I & II), IEC 61853, IEC 62804,  
IEC 60068, IEC 61701, IEC 62716, IS 14286 (BIS),  
UL 61730, ISO 9001:2015, 14001:2015, 45001:2018  
certified, DEWA Approved



MONOFACIAL VARIANTS

Helia Solar PV Modules: 400 to 600 Wp

The Helia Series modules from Jakson are one of the most advanced and powerful PV modules offered for all applications. It is available in various ratings ranging from 400 Wp to 600 Wp using high efficiency M10 size MonoPERC half-cut cells (MBB) technology. Jakson modules are manufactured at fully automatic manufacturing plant using best of class raw material from the leading and reputed global suppliers. Since early 2022 Helia series have been used for residential, commercial, Industrial & large scale utility power plants.

BIFACIAL VARIANTS

Helia Plus Solar PV Modules: 400 to 555 Wp

Helia Plus Series is available with dual glass (Glass to Glass) as well as Glass to Transparent Backsheet with mesh as back substrate. Bifacial solar modules have the capability to produce extra power from rear side of module with bifacial gain of up to 25%. Dual glass modules are preferred for Utility Projects for their longer lifetime & warranty, while transparent backsheet modules are preferred for rooftop projects due to ease of handling and lighter in weight.

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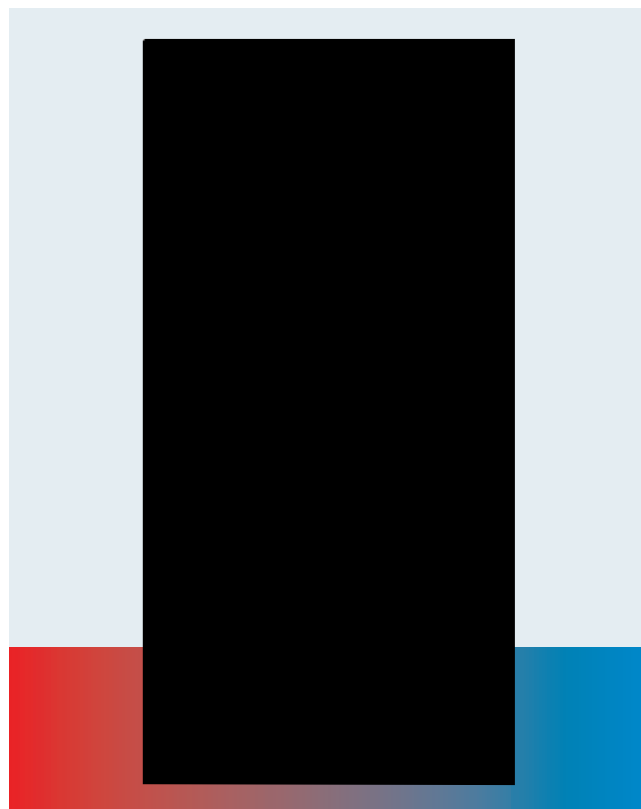


Introducing All New

## TOPCon N-Type Solar PV Module Series

Best In Class Efficiency **Up to 22.47%**

MBB Technology using  
**N-Type TOPCon M10 Half Cut Cells**



## ALL BLACK MODULE

Solar PV Modules: 400 to 550 Wp

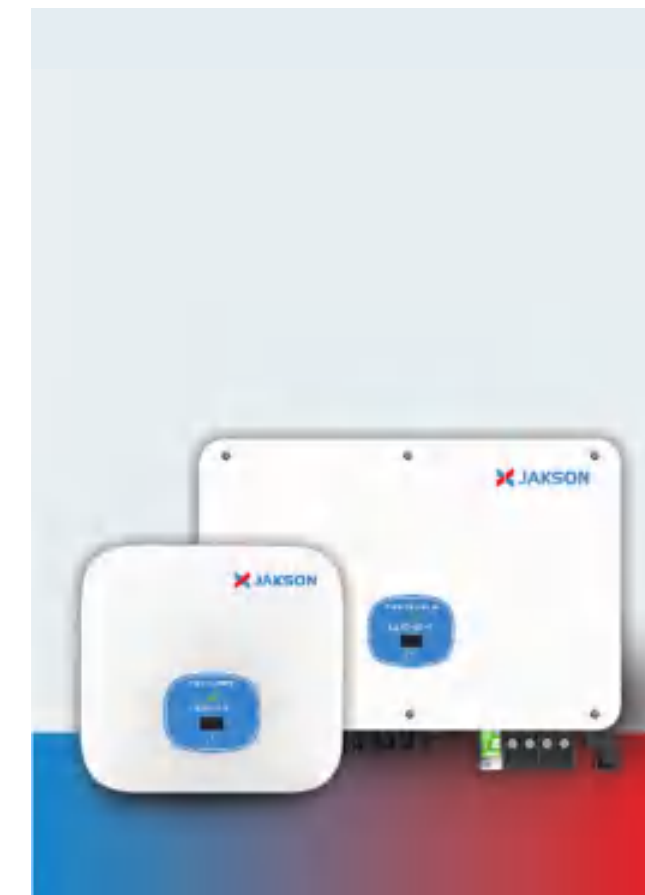
Jakson All Black module is designed for customers looking for good aesthetics and smart looks for their roofs. It comes with Black Frame and Black Backsheet.

## SOLAR PRODUCTS & KITS

### SOLAR KITS

On-grid : 3 to 100 KW

Solar kits are ready-to-use, pre-designed solar power solutions that convert solar energy into electrical energy using inverters for ready consumption and are available from 3 to 6 KW in single phase & 5 to 100 KW in three phase. The on-grid system enables consumers to use solar power directly while providing the opportunity to feed surplus power to the main electricity grid. These self-sustaining solar power plants can provide clean energy for residential homes, commercial & industrial units along with reduction in electricity bill.



### SOLAR INVERTERS

On-grid : 3 to 60 KW

The solar inverter has many benefits and is becoming increasingly popular globally. The primary advantage of a solar inverter is that it enables environmental sustainability. Solar inverters use renewable energy in the form of solar energy to produce affordable and clean energy, contributing to a significant reduction in the greenhouse effect. Jakson offers a comprehensive range of solar PCUs and inverters for solar PV systems across various industries. Available for on-grid, Jakson solar inverters are one of the best solar inverters available in the market. Our solar inverters are designed for reliable operation even under the most challenging conditions, helping customers generate their solar power and use it most efficiently.





Jakson provides turnkey Engineering, Procurement and Construction (EPC) services for rural and urban electrification, electrical substations and transmission, building electrification for industries, data centres, hospitals, metro rail electrification and distribution franchisees. Our team of highly skilled engineering professionals has delivered some of the most prestigious and highly challenging EPC projects for the government of India, private and overseas clients, including Africa. This has made Jakson Group a leading EPC contractor, and the company has grown empirically in the Electrical, Civil & Infrastructure EPC Business over the last few years. The Electrical EPC business has executed numerous rural electrification projects under RGGVY, DDUGJY and Saubhagya Yojana across India.

Additionally, we have completed 132KV & 220KV substations and transmission lines in various states across the country, making Jakson a very high-ranking and sought-after EPC contractor in India. We have completed the EM package for 16 stations, the depot for Kochi metro, DMRC, and Mumbai Metro, with Kolkata & Bangalore metro in the pipeline. Apart from Africa, the EPC business is also expanding to the Middle East, Nepal and Bangladesh.

### Our EPC Business Offerings:

- Civil & Infrastructure
- Water
- Electrical EPC



Jakson has successfully executed Civil EPC, engineering and construction services, designed and constructed green field ITES building projects in Noida, a hospital project in Gorakhpur, and executed road construction, including the Belgaum Smart City Project and stretches of National Highway 44 in Haryana. Our expertise in the domain hinges on our years of successful EPC experience across a wide range of large-scale power and electrification projects for both the public and private sectors in India. The Company has invested in the latest technology and equipment to execute smooth, safe, long-lasting, high-quality projects. We have a team of highly skilled engineering professionals with decades of experience in design and in-house engineering, procurement, construction and commissioning of infrastructure projects across a wide range of sectors.

## WATER



Implementation of various rural water supply projects comprising of tube well/Intake Well, WTP, rising/ pressure mains, CWRs, overhead tanks, distribution pipe networks, individual house connections, public stand posts, retrofitting etc.

Jakson is developing a water supply network project for State Water & Sanitation Mission (SWAM) in Uttar Pradesh currently. This will include O&M of various rural water supply projects in the state for next 10 years.



## ELECTRICAL EPC

### URBAN & RURAL ELECTRIFICATION

With its end-to-end concept to commissioning model, Jakson is a leading EPC contractor in India for urban and rural electrification projects. Providing electricity to every household in the country is a key policy initiative of the Government of India, and Jakson has effectively partnered with both central and state governments in the execution of several key power sector programmes in the country like Restructured Accelerated Power Development and Reforms Programme (RAPDRP), Deen Dayal Upadhyaya Gram Jyoti Yojana amongst others. We offer turnkey EPC services for rural and urban electrification EPC projects encompassing ground survey, civil works, erection, testing, and substation construction, amongst others. We provide customers with an integrated solution with a single point of accountability, enabling better visibility and control.



### SUBSTATIONS AND TRANSMISSION

Jakson is a trusted partner for executing substations projects up to 220 KV. Our turnkey solutions for high-voltage substations incorporate our unparalleled expertise, proven project management excellence, and one-stop sourcing of power products, solutions, and services. We have the right engineering talent pool to help deliver complex projects on time and as per budgets. Jakson has decades of experience in the electrical industry and has executed several prestigious substation projects for various state utilities in India.

## ELECTRICAL EPC

### METRO RAIL ELECTRIFICATION SERVICES

With customized solutions around Integrated Project Management, Jakson assists in metro rail electrification projects by enabling integrated project execution with increased efficiency and higher visibility across all projects. Jakson offers its competence in design, engineering, installation, testing, and commissioning of multi-disciplinary rail projects with the capability to build, power and connect substations. Our skills, experience and capability lie in civil construction, power and electrification of overhead lines, including the installation of new lines, integration with renewable energy sources, be it solar energy or wind energy and maintenance of the overall infrastructure and power distribution.



### BUILDING ELECTRIFICATION SERVICES

Jakson is a leading turnkey building electrification services and solutions provider for residential, commercial and industrial establishments with years of experience and an enviable track record of managing several large-scale building electrification projects. Scope of services primarily includes Supply, Installation, Testing and Commissioning (SITC) of HT and LT Panels, construction of internal and external substations & electrification. Our building electrification services provide end-to-end project planning, design, procurement, construction, and commissioning with best-in-class products procured from Tier I manufacturers, making Jakson a highly trusted building electrification services company in India.





Jakson Green, a new energy transition platform backed by Jakson, focusses on EPC, IPP, IHP and O&M of new energy assets spanning solar, utility scale energy storage, waste to energy, fuel cell technologies, green hydrogen and green ammonia projects.

Our Business Offerings:

New Energy Investments

- Independent Renewable Energy Producer (Solar, Hybrid, BESS, RNG/Waste to Energy)
- Independent Green Hydrogen & Green Ammonia Producer

Green EPC & O&M

- Solar
- BESS/Hybrids
- Green Hydrogen & Derivatives (Green Ammonia and Low Carbon Methanol)
- Renewable Natural Gas/Waste to Energy ]

Electrolysers & Fuel Cells

- Reliable and proven alkaline water Electrolyser
- Cutting edge fuel cells through our US-based technology partnership



|  |                                                                                                                                                                               |  |                                                                         |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|
|  | Developing world's first flue-gas CO2-to-methanol project estimated to produce over <b>3000 TPA</b> low carbon methanol using green hydrogen                                  |  | Delivered Over <b>1.5 GW</b> Solar PV assets Globally                   |
|  | Building Urban India's largest hydrogen refuelling station producing over <b>90MTPA</b> to power FCEV buses using green hydrogen and renewable energy produced onsite         |  | Over <b>1.6 GW</b> Solar PV Assests under active O&M                    |
|  | <b>200 MW</b> renewable energy assets built and flipped; 180MW under development; 40MW under development in Europe                                                            |  | Over <b>1.3 GW</b> of new Renewable EPC book within a year of inception |
|  | Partnering India's leading steel producer to help displace <b>250 nm<sup>3</sup></b> grey hydrogen with green hydrogen for it's BAF within a new state-of-the-art CRM complex |  |                                                                         |



# ETHAN NATURAL BIO-FUEL BUSINESS



In 2022, Jakson Group has further diversified with another recent addition to its portfolio with setting up a manufacturing plant of Ethan Natural Bio-fuels.

## Highlights of the Plant:

- 2G Ethanol Plant
- Capacity-150 KLPD Grain Based distillery
- Project Commencement Year 2023
- Balaghat, Madhya Pradesh
- Process integration for optimization of energy & water consumption
- 27+ Acres Manufacturing Facility

This strategic choice of location is to take advantage of this area that produces about 10 Lac MT of rice every year and is also known as the rice-bowl of central India. The ample availability of rice, maize and fuel rice husk in Balaghat and adjoining districts at economical prices will help accelerate our production. The project is to be implemented by December 2023.

# OTHER BUSINESSES



## HOSPITALITY

With an aim to build a chain of world-class hotels, Jakson entered the hospitality business in the year 2012. Its first property was Jakson Inns in Satara, Maharashtra. The 74-room LEED Platinum certified green hotel offers a multi-cuisine restaurant, boardroom, banquet hall for 300 pax, gymnasium, therapy room, swimming pool and an outdoor lawn that can accommodate 1000 pax. Jakson Gourmet, an organic extension of Jakson Hospitality, was launched in January 2015 to serve hygienically produced, value-for-money meals in an industrial town setting. The unit has over 10,000 meals per day for Industrial cafeterias, meeting all the requisite ISO standards.



## REAL ESTATE

Jakson has also forayed into real estate development in the United Kingdom. The projects consist of retail, commercial & residential spaces which are scheduled to be completed by the year 2024.





The term ESG is often used interchangeably with the term sustainability and corporate responsibility. At Jakson Group, the scope of topics covered under the ESG umbrella includes, but is not limited to, the following:

**ENVIRONMENTAL:** Responsible management of natural resources

- |                                                                                                                                 |                                                                                                                |                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  Platinum LEED-certified Green Office Spaces |  Plastic Free Office Spaces |  Energy Management |
|  Waste & Water Management Initiatives        |  Operational Eco-Efficiency |                                                                                                        |

**SOCIAL:** Promotion of human rights, consumer protection & social wellbeing

- |                                                                                                                   |                                                                                                       |                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  Human Capital Development     |  Talent Management |  Safe working environment |
|  Employee wellness initiatives |  CSR & Community   |  Privacy & Data Security  |

**GOVERNANCE:** Carrying out business operation in a fair & ethical manner

- |                                                                                                                           |                                                                                                                    |                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  Independent Board for Group Companies |  Independent auditors           |  Supply Chain Management                                     |
|  Disclosures to Stakeholders           |  Tax Compliances & Transparency |  Adherence to ISO 9000, ISO 14000 & ISO 18000 certifications |

Jakson has embraced its philanthropic commitment to Communities & the Environment wholeheartedly. We had nurtured & vowed to protect the environment long before the industry envisaged the importance of "GOING GREEN". Our SDGs are focused on Quality Education and Climate Action. Our CSR scope extends to Delhi, Jammu, Uttar Pradesh, Gujarat & Maharashtra geographies.

As a Company, we have stood many business challenges, Covid being the toughest of all. We have executed Waste management projects, converted landfills into city forests and built sustainable schools. Despite uncertainty and change, Jaksonites have been at the forefront of every aspect in adapting



Progressing with Education



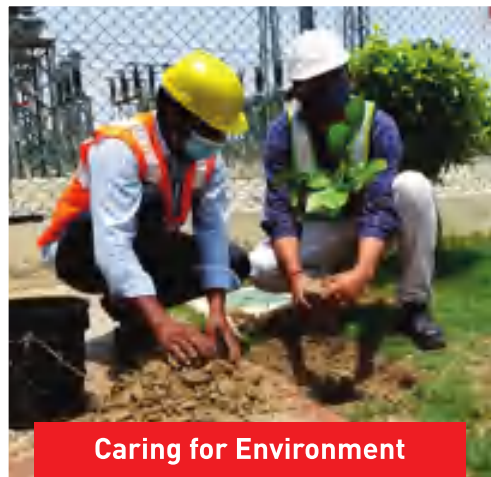
Prioritizing Healthcare

to the many changes and continuing the spirit of community development.

Over the last 2 years, our major focus has been in the field education, for empowering women, in both organized and unorganized sectors, with over 7000 beneficiaries in UP, Gujarat, Maharashtra and Jammu. Moving ahead in this direction, we have complemented our efforts it with women's health care initiatives which

included regular Hygiene & Nutrition Camps with a dedicated and the motto: "If we keep them healthy, they will evolve as a better version of themselves & take the lead in the nation-building".

In order to champion this cause further and seeking wholistic development, Jakson is also conducting multiple self-defense workshops for girls' students across government schools in Uttar Pradesh. These workshops are intended to teach effective self-protection techniques and also focuses on key communication skills required while managing the vulnerable situations.



Caring for Environment



Empowering Women

Our commitment to Swachh Bharat has led us to build washrooms for rural Indian villages and conduct programmes on waste disposal & sanitation that impact both personal & environmental health. Our Core Values not only ascertain CARE & Concern for the community but also delineates the Heart of the Company & its people who stand committed to achieve its Vision of "Improving Lives Through Sustainable Solutions."





## SILENT GENSETS

Jakson was the first to launch acoustic enclosures for gensets in India way back in 1998, even before any government regulations or norms were enacted. These silent generators offer high fuel efficiency and produce low emissions. With the experience and expertise of more than 70 years in the industry and partnership with Cummins, Jakson offers a comprehensive range of generators in the capacity of 7.5-3750 kVA.

## PLATINUM-RATED GREEN HOTEL

Jakson Inns is India's first LEED Platinum and Indian Green Building Council certified green hotel in its category. Located in Phaltan, Maharashtra, the 74-room hotel offers state-of-the-art facilities and ultra-modern rooms while being environment-friendly. Some of the green measures adopted by the hotel includes eco-friendly building material, rainwater harvesting, running a sewage and effluent treatment plant, installing a 410 KW plant to generate electricity, minimising single-use plastic, and recycling all possible waste, biogas.



## SOLAR TRAIN FOR INDIAN RAILWAYS

Jakson was the first to install solar panels on the roof of 50 coaches of the Indian Railways in 2017. Under the project, a single coach was retrofitted with 16 solar panels, each producing 300 watts in ideal sunny conditions, generating a cumulative power of 4.8 kilowatts. The electricity generated from the panels is used to power lights and fans inside coaches for the use of passengers.

## SOLAR CANAL-TOP PLANT IN UTTAR PRADESH

In 2021, Jakson became the first company in India to install a solar canal-top plant in UP. This innovatively designed plant at Jakhlaun Pump Canal in Lalitpur, Uttar Pradesh has a capacity of nearly 6 MW and supplies green electricity to the grid while utilising optimum space and aiding in water conservation. Set up across a 10 km stretch over the canal, the plant mitigates about 7,500 tonnes of carbon emissions annually.



## 600WP SOLAR MODULES

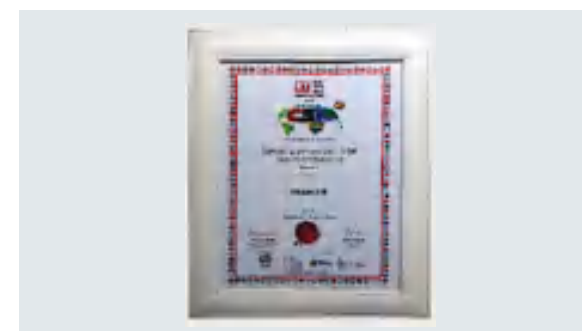
Jakson was the first Indian manufacturer to launch 600wp Solar Modules in 2021, and later in 2022, Jakson became the first Indian manufacturer to be ALMM empanelled for their 600wp modules using M10 Half-cut cell technology. These hi-tech modules offer significantly better output at higher temperatures and under low-light or shading conditions, achieving best-in-class efficiency of over 21%. The modules are manufactured using multi-busbar technology in a fully automated plant, making them an ideal choice for residential, commercial and utility-scale customers.



Top 10 Solar Panel Manufacturers 2021  
by Industry Outlook



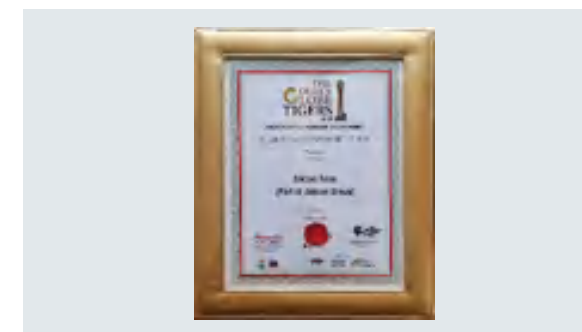
Performance Excellence Awards 2020 by CII for  
Ground Mounted Solar & Rooftop Solar Category



Support & Improvement in the quality of education  
by ET Now & World CSR Congress, 2020



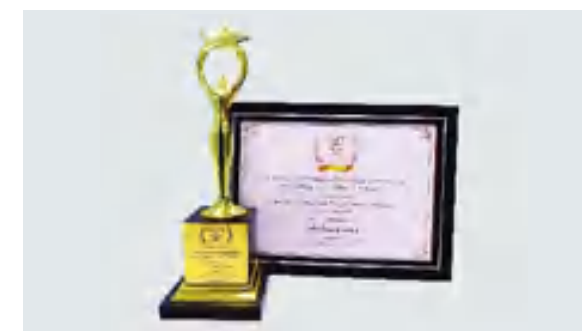
Mr Sameer Gupta honoured with  
'Industry Achievement Award - Engineering Sector'  
by Hurun Report India, 2019



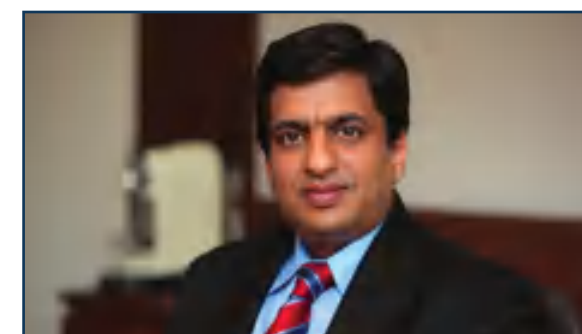
Solar Module Company of the Year  
award by The Golden Globe Tigers 2020



Top 10 Energy Companies in India 2020,  
CEO Insights



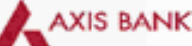
Achievement in Renewable Energy  
Utilization in Railways Award 2020



Mr Sundeep Gupta featured as  
Top 100 Solar Leaders in India, 2017



# CLIENTS

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## Corporate Office

Noida, Uttar Pradesh, India

Leed Certified - IGBC Platinum Rated Green Building