

Hartek Solar executes 80-kWp rooftop solar project at Harike gurdwara

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Ø Executed by Hartek Solar in a record time of 28 days, this plant uses monocrystalline modules based on state-of-the-art PERC technology for maximum efficiency

Amritsar, November 12, 2019: Hartek Solar Pvt Ltd, the rooftop solar division of the Chandigarh-based Hartek Group, has installed an 80-kWp solar PV project at Gurdwara Ishardham Nanaksar in Harike Pattan on the occasion of the 550th birth anniversary of the first Sikh Guru, Sri Guru Nanak Dev Ji.

The 80-kWp rooftop solar plant will generate 1.31 lakh units of clean electricity every year, thus offsetting 103.28 tonnes of carbon dioxide emissions and meeting several day-to-day electricity requirements of the gurdwara, which caters to thousands of devotees throughout the year. Executed in a record time of just 28 days, this rooftop solar plant uses monocrystalline modules based on state-of-the-art Passivated Emitter and Rear Cell (PERC) technology for maximum efficiency and other technologically advanced features. The PERC technology generates more electricity owing to its higher light absorption and internal reflectivity. While the front surface in PERC cells absorbs sunlight, the rear surface layered by a dielectric passivation film absorbs the scattered or reflected light. The greater flexibility of PERC modules provides end users with more tilt and placement options, leading to optimisation of space and electricity generation. The higher energy density, on the other hand, translates into lower levelized energy costs and lower payback periods.

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Hartek Solar has also equipped the 80-kWp solar plant, attached to 20-KW inverters to ensure a 1:1 system design, with a unique remote sensing technology which can be linked to Wi-Fi or GPRS SIM card to get alerts on cleaning and maintenance as well as real-time data on energy generation and savings. The scope of work of the project included installation of solar panels, supply, design and engineering.

Complimenting the gurdwara management for contributing to the environmental cause by opting for clean energy, Hartek Solar Director Simarpreet Singh said, “It is heartening that such initiatives by religious places and social organisations are encouraging more and more institutions to opt for solar power. Committed to taking up the fight against climate change by contributing to the larger cause of building sustainable energy infrastructure on every roof, we believe in giving back to the society through our rooftop solar installations.”

Hartek Solar is among the leading rooftop solar installers in India. The company had recently installed 10-kWp solar plants at Gurdwara Nada Sahib, Panchkula and Jyoti Sarup Kanya Asra shelter home in Kharar. It had also executed another 10-kWp rooftop project at a temple in Chandigarh last year. Within just a year of launching its customised small-scale solar solutions, Hartek Solar has executed rooftop projects in more than 100 households in Chandigarh alone. It has also installed rooftop projects in the institutional, commercial and industrial categories.

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