



HKUST installs solar power generation system

Which solar panels will HKUST install?

Taking the opportunity of the FiT Scheme - which encourages the community to develop distributed renewable energy systems - HKUST will install thousands of best-in-class and highly-efficient monocrystalline solar panels, including both the conventional and flexible thin film PV panels. If playback doesn't begin shortly, try restarting your device.

How will HKUST benefit from a solar panel project?

For the solar panel project, HKUST will benefit from the China Light and Power Company's Renewable Energy Feed-in Tariff (FiT) Scheme and generate around HK\$160 million up to 2033.

Is HKUST a sustainability leader in Hong Kong?

The Hong Kong University of Science and Technology (HKUST) today announced its latest commitment to being a sustainability leader in Hong Kong by launching a renewable energy project that will include the installation of up to 8,000 solar panels at over 50 locations on campus.

How much money will HKUST receive from a new energy system?

After paying off the costs of the installation, HKUST will receive an average of \$4 million per year that will be reinvested in further campus energy efficiency and greenhouse gas reduction projects.

What is HKUST's energy management approach?

HKUST's energy management approach encompasses strategies to invest significantly in energy efficiency across all operations and laboratories, to maximize on-site renewable energy production, and to source and test step-change innovations to benefit the campus and our region.

What is Hong Kong's largest solar energy generation project?

It will be Hong Kong's largest solar energy generation project when complete. The system will generate up to 3 million units (kWh) of electricity each year - equivalent to the annual electricity consumption of more than 900 three-member households in Hong Kong 1, and reduce 1.5 million kg of carbon emission per annum over a 25 year period.

The energy and exergy performance of the system under the baseline design case are evaluated. Subsequently, we discuss the impact of key design parameters on system performance and ...

Solar photovoltaic (PV) power generation is the process of converting energy from the sun into electricity using solar panels. Solar panels, also called PV panels, are combined into arrays in a PV system. PV systems ...



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The Secretary for the Environment, Mr. WONG Kam-sing, said, "The HKUST's large scale solar energy generation system is well recognised and serves as an excellent model. The project not only supports Hong Kong's ...

Using this technology, power generation roofs, windows, and facades can harvest solar radiation and convert to electricity for building power consumption. Semi-transparent perovskite solar ...

The HKUST Energy Institute is a multidisciplinary platform that integrates cutting-edge research, technology developments, and education on the generation, storage and distribution of ...

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