Trane Solar Power Resources

Shedding light on your sustainability plan

Reaching your goals

Students are becoming more concerned about the environment. From elementary schools to colleges, today's students are more socially conscious than ever and expect their educational institution to be part of the solution to the problem –not the cause. When you consider the fi nancial benefi ts linked to LEED™ certifi ed buildings, now is the perfect time to graduate to solar power. Trane can help you reach your sustainability goals while improving your bottom line with strategies that include alternative energy sources such as geothermal, small wind, cogeneration and solar power.

Working with solar energy can provide benefi ts beyond cost savings and student satisfaction. Solar energy can create public relations opportunities throughout your facility and community. These opportunities can help you highlight technologies and educational programs that embrace sustainability.

Where solar makes the grade

Educational facilities provide great potential for solar thermal and solar electricity generation applications. Trane offers unique hybrid PVT collectors that meet both needs by generating electricity and usable thermal energy from one panel at the same time. Not only does this feature provide a two-for-one benefit, it also makes the panels more efficient because excess heat can reduce the performance of the photovoltaic side of the collector. These technologies can also be used to supplement other sustainable technologies such as geothermal ground-coupled thermal storage.

Areas and opportunities include:

Dormitories – Provides electricity to offset demand and hot water for showers and building heat

Recreation facilities – Provides hot water for showers, laundry and indoor/outdoor swimming pools

Cafeterias – Provides an additional electricity source as well as hot water for cooking and cleaning

Laboratories and science buildings – Offsets electrical load and provides ventilation heating

Boiler plant – Supports boiler-feed water heating

General purpose buildings – Provides auxiliary electricity and building and ventilation heating

Dedicated to working with sustainable energy, Trane has developed a solar offering to meet the needs of its customers. These solutions are backed by industry-leading service and support with LEED™ accredited managers ready to guide you through the process.

Our solar products have been performance and/or safety tested by numerous agencies including UL, ETL and SRCC. Solar systems can be packaged as complete systems with pumps, tanks, mounting hardware, controls, inverters and batteries.

Solar Hybrid PVT Collector Advantages:

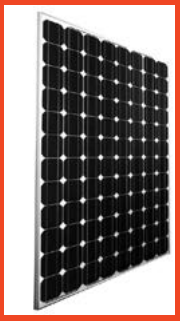
- More electricity output during peak solar times compared to PV-only modules (Up to 25% more!)
- Less roof space needed for applications requiring both solar thermal and solar PV
- Less costly installation for one mounting system covering two technologies
- Demonstration of creative technology that benefits students, faculty and the community

Sustainable campuses attract students and faculty and help demonstrate your institution's commitment to local and global environments.

Schools and universities throughout the world are "Going Green" by purchasing power and installing these technologies as part of their sustainability efforts. Why not join the movement to protect current and future generations by embracing renewable energy sources on your campus?

Trane's solar product offerings include:

Solar Hybrid PVT Collectors



Solar Photovoltaic (PV) Modules

Solar Thermal Collectors

Contact your local account manager or email education@trane.com with any questions.

TRANE

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit *trane.com* or *tranetechnologies.com*.

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