



Why use SolarDuct® PV/T?

Geographic considerations can drastically affect the performance of a PV system. SolarDuct® systems are designed for the Ontario climate by Ontario engineers. The traditional California style PV roofs are not suitable for the Canadian winter and the heavy snow-loads. SolarDuct® systems are angled at 31 degrees for maximum solar radiation and they sit higher off the roof to allow for snow accumulation in the winter.

SolarDuct® PV/T also improves a PV system's ROI:

- PV modules produce 3-4 times more heat energy than electricity
- The excess PV heat diminishes electrical performance
- The Ontario FIT pays money based on the actual electricity produced, not on the name-plate rating of the modules
- SolarDuct® PV/T cools the PV modules by 10 to 15 C below other PV mounting systems which will increase the electrical output by 5-8% each and every year

These combined SolarDuct® features will result in 15 to 20% more electricity generation than most other PV roof designs.

The heat from the back of the PV modules is ducted to the building's nearest roof top HVAC or air makeup units where it offsets the conventional heating load.



If your building has rooftop air handlers or HVAC equipment, read below before signing a FIT contract.

Renting roof space for FIT contracts may exclude your building from free solar heating for decades and at least 20 years. In Ontario, heating is the largest single usage of energy for commercial and industrial buildings, typically representing up to 60% of a building's energy requirement. SolarWall® and SolarDuct® PV/Thermal systems offer a hybrid solution that maximize electrical output by removing excess PV heat while simultaneously producing free heat energy to offset a sizable amount of the heating load. Hybrid systems allow you to triple the amount of energy from your roof, which translates into sizable long term energy savings.



SolarWall® and the new roof-mounted SolarDuct® PV/T systems are adaptable to any building design and are easily integrated into a building's roof. The SolarDuct® component doubles as the PV racking system and qualifies for Ontario Domestic Content.

Conserval Engineering will work with your PV installer to optimize the thermal component and the connection to your rooftop air handling units.

To learn more about the Ontario FIT and hybrid PV/thermal systems;
please visit www.OntarioPV.com

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