



## Enjoy peak performance in the Summer Heat and Sunshine

Generate power, manage stormwater, cool the surrounding environment and the building with the green roof-solar combo. Improve PV efficiency and reduce overheating with the vegetated roof as it provides evapotranspiration and helps maintain optimal temperatures for the solar panels.

## Ideal for Retrofits with Weight Restrictions

Bifacial panels have been subjected to wind tunnel tests and show superior properties to inclined panels when dealing with wind forces. This reduces ballasting and weight and simplifies installation. This is especially attractive for retrofit projects where the existing load bearing capacity may limit design options.

## Bifacial Solar and Green Roof Combo

### Key Features

- PVs are installed vertically in a north to south orientation, achieving max output during morning and in the afternoon
- Vertical panels gather less dust, pollen, bird droppings and snow
- Easy retrofit to existing green roof without perforating roof membrane or structure
- Vertical panels ensure easy access to the vegetated roof to inspect, maintain and repair
- Lightweight solar panels add approximately 11 kg/m<sup>2</sup> to the extensive green roof

## Unlocking Rooftop Potential

Produce Renewable Electric Energy on Green Roofs



**Wind Tested**



Seamlessly integrate bifacial solar panels with extensive green roofs to generate solar energy and enjoy the numerous benefits of a vegetated roof. Small and lightweight, vertical solar panels are mounted over the green roof vegetation with little or no ballast. There are no penetrations and will not compromise the waterproofing membrane. Vertical panels are ideal for extensive vegetated roofs and allow full access to rainwater, light and evaporation.

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