Next Level™
STORMWATER MANAGEMENT

Bi-facial Vertical Solar

Best of Both Worlds





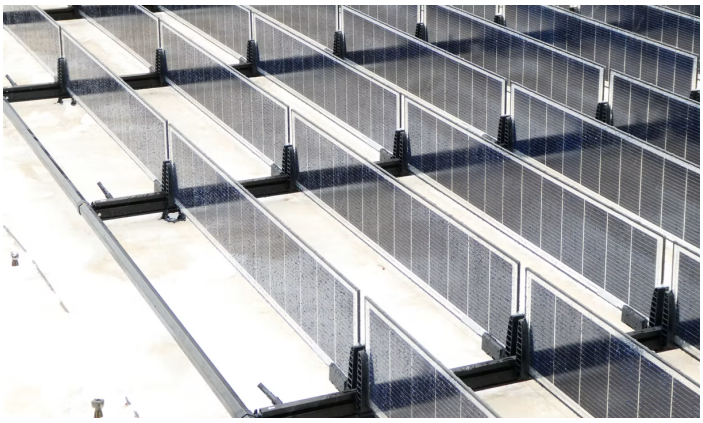
Enjoy the benefits of a green roof and a solar array in the same footprint

Generate power and manage stormwater with the green roof and vertical bi-facial solar combo.

PV units are pre-assembled and easy to install over the green roof.

Ideal for Retrofits with Weight Restrictions

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



Bi-facial Solar and Green Roof Combo

Key Features

- Solar panels are installed vertically in an East-West orientation, taking advantage of morning and early evening sun
- 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 12 kg/m² (2.5 lb/sf) to the extensive green roof

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.

Next Level Stormwater Management ™
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Putting storms in their place.