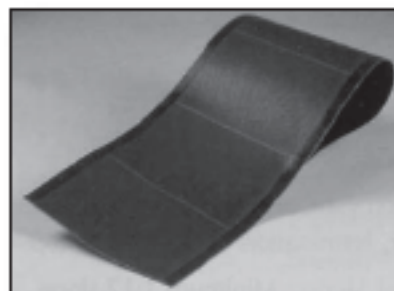


Grid-Tie Modules



Uni-Solar Field Applied
PV Roofing Laminate

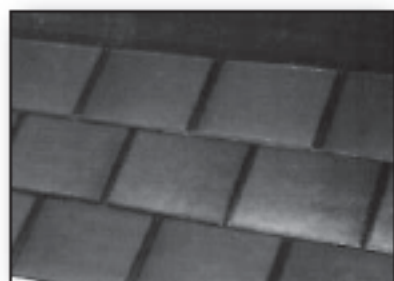
UNI-SOLAR® Roofing Products

Field Applied PV Roofing Laminate

These thin-film solar laminates can be applied to standing seam metal roofing materials in the field for a total custom look. You don't have to compromise the aesthetics of your home to get the energy independence you want. The PVL Roofing Laminates are made exceptionally durable by encapsulation in UV stabilized polymers. Bypass diodes are connected across each cell, allowing the modules to produce power even when partially shaded. They come with the bonding adhesive factory applied on the back of the laminate. Rugged, weatherproof junction box.

- Lightweight, flexible product construction
- Easy peel and stick installation
- Roll shippable
- UL listed, 20-year warranty (only on products installed by a Uni-Solar certified installer).

Model	Watts	Vmp	Imp	Voc	Isc	Dimensions in.	Weight lb.
PVL-68T	68	16.5	4.13	23.1	5.1	112.12 x 15.5	9.0
PVL-136T	136	33.0	4.13	46.2	5.1	216.00 x 15.5	17.0



Uni-Solar PV Shingles

PV Shingles

The flexible thin-film solar cell shingles can be installed in new construction nailed in place using common roofing nails on conventional roof decking over 30-lb felt underlayment. They can also be placed over existing roofing. The surface is textured to blend and complement the granular surface of the surrounding conventional shingles. Two, 12" long, 18-gauge lead wires exit from the underside of each shingle. Lead wires on the backside of the head-lap pass through the roof deck to allow wiring connections to be made in the roof space. The sun warms the solar electric shingle providing a bond that forms a weather-resistant covering. UL listed.

Model	Watts	Vmp	Imp	Voc	Isc	Dimensions ft.	Weight lb.
SHR-17	17	9	1.9	13	2.35	7.2 x 1	1.4