

		STANDARD PRODUCT
		CUSTOM PRODUCT
		PROTOTYPE

**SUNSLATES™**

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**SYSTEM DESCRIPTION**

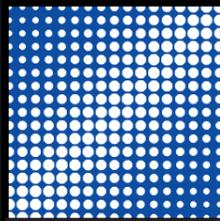
This new photovoltaic integration system was developed by ATLANTIS SOLAR SYSTEMS LTD.

SUNSLATES™ are totally integrated photovoltaic construction elements and correspond in size, appearance and mounting system to the fiber-cement tiles of the company ETERNIT. SUNSLATES™ are also available on a natural slate base plate (other format).

As these elements are directly integrated into the building envelope and replace other façade or roof protection systems, mounting costs are drastically reduced.

SUNSLATES™ also convince from an aesthetic point of view. Their colour is very close to that of ETERNIT fiber-cement or natural stone and the fact that they respect the geometric pattern of ETERNIT slates gives an impression of uniformity.





## APPLICATION FIELD

Building type	Any type of residential and commercial building with roof (18° or more) or façade.
Building elements	Seamless integration into fiber cement tile systems or sealed integration into other standard roofing elements made of clay or concrete.
Mounting technology	Mount onto existing wooden roof sub-construction or metallic construction.
PV Module	Glass-EVA laminate with amorphous, poly- or monocrystalline cells.

## AT DEMOSITE

PV Area	15 m <sup>2</sup>
PV Module	Manufactured by Atlantis Solar Systems Ltd.
Power, voltage	12.5 W, 2.9 V (standard test conditions)
Size	300 (720) x 400 x 11 mm
Connection	5 x 25 modules in series (125 shingles) special bipolar connectors including back wiring

## SUNSLATES™

ATLANTIS has a long pioneering history in the development of solar power systems.

The company installed the first fully-integrated PV-façade and PV-roofing system as well as the first PV-roofing system and PV-façade with simultaneous generation of both heat and electricity. Furthermore, ATLANTIS was the first company to produce large scale modules.

ATLANTIS and its international partners have produced a great number of other interesting integration systems such as façades and roofs with integrated PV-shading.

## SYSTEM TECHNOLOGY

The visible part of integrated SUNSLATES™ (like the visible part of the fibre-cement slate) has dimensions of 40 cm x 30 cm.

The electric connection is on the covered part of the slate where it is protected against weather damage and still easily accessible.

All system components as well as the entire SUNSLATES™ roof and façade system have successfully passed rigid lifecycle and performance tests. SUNSLATES™ are certified according to IEC 1215. At the end of their lifecycle, they can be treated as ordinary, harmless building-rubble.

