

Certificate

Report No.: 21202411-1

License Holder:

United Solar Ovonic Corp

3800 Lapeer Road
 Auburn Hills MI 48326
 USA

Product:

PV Modules

Type: **UNI-SOLAR®**

SSR-64 B/T	ES 62	US-32
SSR-128 B/T	ES124	US-42
SSR-192B/T	ES136	US-64
SSR-256 B/T		US-116

Basis:

TÜV Spec TZE/2.572.09
 "Safety Class II Test on
 Photovoltaic (PV) Modules"

Factory Inspection
 To document the consistent quality of
 the product factory inspections are
 performed periodically.

Remarks:

The above mentioned PV modules may be used in PV plants at a total voltage (maximum system voltage) of up to

ES-.... and SSR-.... 1000 VDC
US-.... 520 VDC.

This certificate replaces certificate no.: 931/121 314-1 (US-... module types) and 212 00 062 (SSR-... module types).

The ES-... module types are developed from the module types USS-...

All the module types are different in size, power, cell power and cell numbers.

Module construction: Compound of Tefzel, EVA, GMC, Cell Block, EVA, Madico, EVA, Backing Plate

MC Junction Box or potted Terminal Housing Assembly, with fix connected (+) and (-) MC PV-Solarcable and MC connectors:

SSR module types: United Solar Ovonic Corporation bonds **UNI-SOLAR®** PVL-laminates to their own steel metal roofing panels (Aluzinc® coated or lacquered, galvanized).

"B", in case of bottom termination (junction box partially potted)

"T", in case of top termination

US and ES types: United Solar Ovonic Corporation bonds **UNI-SOLAR®** PVL-laminates to a metallic backsheet plate (Aluzinc® coated or lacquered, galvanized).

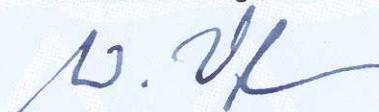
With/without Aluminium frame

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certificate is only valid in conjunction with proof of the suitability of the modules in accordance with IEC 61646 (or similar procedure).

The certificate has a validity of 3 years counting from the date of issue, provided that the testing basis remains unchanged. The series production is not subject to a control and is not part of the assessment.

Renewable Energies



Dipl.-Ing. W. Vaaßen

Cologne, 26 May 2004