



# C E R T I F I C A T E

Certificate No. **12-PPV-000052/01-W01-TIC**

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL  
**SS-FG-2BTM-100-E (Solaika)**  
(Tested Type)

And with Types extended for similarity\*  
- See Annex -

**LICENSE HOLDER**  
Energyka Electrosystem SRL  
Via G. Ferraris, 52  
31044 Montebelluna TV Italy

**Roof  
Element:**

**Modules:**

**MANUFACTURER**  
Pluvitec Spa  
Via Quadrelli 69 I-37055  
Ronco All'Adige (VR)

**Global Solar Energy Inc.**  
8500 S. Rita Road  
Tucson, AZ 85747, USA  
&  
**Global Solar Energy  
Deutschland GmbH**  
Am Studio 16, D-12489 Berlin

**IS IN COMPLIANCE WITH THE REQUIREMENTS OF  
IEC 61646 : 2008**

Thin-film terrestrial photovoltaic (PV) modules. Design qualification and type approval  
&

**EN 61730-1 : 2007 / EN 61730-2 : 2007**  
(Photovoltaic (PV) module safety qualification)

To be used in plants at a total voltage up to : 1000 Vdc (application Class A)

**AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY  
EA ACCREDITED LABORATORY N. 0192**

**REPORT No. TIC-PVQ01- 21192-120203, TIC-PS101-21192-120203 & TIC-PS201-21192-120203**  
&

**The factory inspection on the production site: (Via Quadrelli 69 - 37055 Ronco All'Adige (VR) - Italy) on the date 27.12.2012 with report no. RFI-1212-PPV-TIC-000052-12**

**Expiring date 17.12.2017**

(Providing that the testing basis continues unchanged)

**Notes:** (\*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SS-FG-2BTM-100-E (Solaika). Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as retest performed according to IECCE "Retesting guideline" for similarity with FG-2BTN-90 & FG-2BTN-100 with differences in backsheet/substrate. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



DAT-ZE-030/09-00

Am Bonner Bogen 2, D-53227 Bonn,



03.01.2013 Dipl.-Ing. F. Sergizzarea

TÜV INTERCERT Certification Body

CERTIFICATE ■ CERTIFICATO ■ ZERTIFIKAT ■ SERTIFIKA ■ CERTIFICADO ■ گواهینامه ■ ΠΙΣΤΟΠΟΙΗΤΗ