



C E R T I F I C A T E

Certificate No. 12-PPV-0000038/01-W01-TIC

**WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL
RR-FG-2BTN-100-E (Rescador) & PP-FG-2BTN-100-E (Riopower)
(Tested Types)**

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

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

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-PVQ01-20160-110369, TIC-PS201-20160-110369, TIC-PVQ01-R2-20160-110411,
TIC-PS201-R2-20160-110411**

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**The factory inspection on the production site: (Via G. Ferraris, 52, 31044 Montebelluna (TV) – Italy)
on the date 07.08.2012 with report no. RFI-0812-PPV-TIC-0000038-12**

Expiring date 12.12.2017

(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 RR-FG-2BTN-100-E (Rescador) & PP-FG-2BTN-100-E (Riopower). 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 complete certification and retest performed according to IEC 61646 "Retesting guideline" for similarity with FG-2BTN-90 & FG-2BTN-100 with differences in to frame and/ or mounting structure and to backsheet/ substrate. The certification is performed on tested model as complete certification. 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.



Am Bonner Bogen 2, D-53227 Bonn,

13.12.2012 Dipl.-Ing. F. Sergizzarea
TÜV INTERCERT Certification Body

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