



C E R T I F I C A T E

Certificate No. 10-PPV-0002509-WA02-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

EST-125 (Tested types)

Cell Number	Cell Size	Cell Technology	Power [W]
106/6	127.2 cm ²	tandem cell [a-Si/uc-Si]	125.3

Types extended for similarity* with tandem cell [a-Si/uc-Si] Cell Technology without need of re-testing (according to IEC61646 "Retesting guideline"):

Type	Cell Number	Cell Size	Power [W]
EST-***	106/6	127.2 cm ²	113.9 - 139.3
EST-***H	216/6	127.2 cm ²	227.8 - 278.5
EST-***V	106/11	257.2 cm ²	227.8 - 278.5
EST-***	216/11	257.2 cm ²	445.8 - 557.0

MANUFACTURING & LICENSE HOLDER

ENN SOLAR ENERGY CO., LTD.

N° 106 Huaxiang road, Economic and Technological Development Zone, LangFang, 065001, P.R.C

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61646 : 2008

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

EN 61730-1 / EN 61730-2 : 2007

Photovoltaic (PV) module safety qualification
To be used in plants at a total voltage up to : 1000 Vdc

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EUROTEST LABORATORI
(EA ACCREDITED LABORATORY N. 0192)

REPORT No. TIC-PVC02CdO09C396001

Expiring date 15.10.2014

(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 1/4 TJ Module 2.0. 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 according to IEC61646 "Retesting guideline" for similarity with model q-size with differences in encapsulation system, cell interconnect material or technique and superstrate (certificate n° C02 08C405005 released by Eurotest Laboratori in date 07/01/2009). This certificate is for type approval and based on voluntarily product test with Factory Inspection. (The Manufacturing Inspection was conducted by a TÜV INTERCERT appointed inspector on the base of agreement with the certification body TÜV INTERCERT.)



Am Bonner Bogen 2, D-53227 Bonn,

26.04.2010

Dipl. Ing. F. Sergizzarea

TÜV INTERCERT Certification Body

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