



C E R T I F I C A T E

Certificate No. 10-PPV-00020/01-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

ENERGIA - 280
(Tested Type)

And with Types extended for similarity*
- See Annex -

MANUFACTURING & LICENSE HOLDER

MODERN SOLAR PVT. LTD.

Plot # 47, Sector II, Falta SEZ, Vill: Uttar Simulberia, 24 Parganas (S),
West Bengal – 743504, India.

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61215 : 2005

Crystalline silicon 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 (application Class A)

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EA ACCREDITED LABORATORY N. 0951

REPORT No. TIC-AR10TEST009

Expiring date 09.12.2015
(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 ENERGIA - 280. 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. This certificate is for type approval and based on voluntarily product test without Factory Inspection.



Am Bonner Bogen 2, D-53227 Bonn, 10.12.2010 Dipl.-Ing. F. Sergizzerova

TUV INTERCERT Certification Body



C E R T I F I C A T E

Annex of

Certificate No. 10-PPV-00020/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size	Cell Technology	Power [W]
ENERGIA - 280	72	156x156 mm	Multicrystalline	280

Types extended for similarity* with Multicrystalline Cell Technology without need of re-testing (according to IEC61215 "Retesting guideline"):

Type	Cell Number	Cell Size	Power [W]
ENERGIA-XXX	72	156X156 mm	from 250 to 305
ENERGIA-XXX	60	156X156 mm	from 200 to 255
ENERGIA-XXX	54	156X156 mm	from 180 to 220
ENERGIA-XXX	48	156X156 mm	from 160 to 195
ENERGIA-XXX	36	156X156 mm	from 115 to 145
ENERGIA-XXX	36	156X104 mm	from 70 to 90
ENERGIA XXX	36	156X52 mm	from 30 to 45

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type ENERGIA - 280. 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. This certificate is for type approval and based on voluntarily product test without Factory Inspection.



Am Bonner Bogen 2, D-53227 Bonn, 10.12.2010 Dipl.-Ing. F. Serrazzara
TUV INTERCERT Certification Body

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