



C E R T I F I C A T E

Certificate No. 12-PPV-0000810/01-W01-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

**COE-180MA
(Tested Types)**

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

**LICENSE HOLDER
COENERGIA SRL**

Via Edmondo De Amicis 90, 46024
Moglia (MN) - Italy

MANUFACTURER

ZHEJIANG WANXIANG SOLAR CO.,
118# Jianshe 2 Road Xiaoshan
Economic and Technological
Development Zone, Hangzhou, China

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

EN 61215 : 2005 / IEC 61215 : 2005

Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval

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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-PVC01CdO09C443002

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**The factory inspection on the production site ZHEJIANG WANXIANG SOLAR CO. (Hangzhou, China)
on the date 15th October 2012 with report no. RFI-1012-PPV-TIC-00008-10**

Expiring date 17.02.2015

(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 COE-180MA. 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. 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,

M. Bolzonaro
16.10.2012 Ing. Bolzonaro

TÜV INTERCERT Certification Body

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C E R T I F I C A T E

Annex of

Certificate No. 12-PPV-0000810/01-W01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size	Cell Technology	Power [W]
COE-180MA	72	5"	monocrystalline	180

Types extended for similarity* with monocrystalline cell technology without need of re-testing
(according to IEC61215 "Retesting guideline"):

Type	Cell Number	Cell Size	Power [W]
COE-200M*	72	5"	200
COE-190M*	72	5"	190
COE-185M*	72	5"	185
COE-180M*	72	5"	180
COE-170M*	72	5"	170
COE-100M*	36	5"	100
COE-95M*	36	5"	95
COE-92.5M*	36	5"	92.5
COE-90M*	36	5"	90
COE-85M*	36	5"	85
COE-80M*	36	5"	80

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type COE-180MA. 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 and with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



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