TÜV INTERCERT

CERTIFICATE

Certificate No. **09-PPV-00024/01-M01-TIC**

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODELS

JAM6-200, JAM6-205, JAM6-210, JAM6-215, JAM6-220, JAM6-225, JAM6-230, JAM6-235, JAM6-240, JAM5-155, JAM5-160, JAM5-165, JAM5-170, JAM5-175, JAM5-180, JAM5-185, JAM5-190, JAM5-195

And with Types extended for similarity*
- See Annex –

LICENSE HOLDER:

JINGAO SOLAR CO., LTD.
JingLong Industrial Park, JingLong Street, Ningjin, Hebei, China

MANUFACTURING:

SHANGHAI JA SOLAR TECHNOLOGY CO., LTD.
Lane 3111, West Huancheng Road, Fengxian District, Shanghai, China

SHANGHAI JINGLONG SOLAR ENERGY TECHNOLOGY CO.,LTD.
No.2666, XinSiping Road, Situan Town, Fengxian District, Shanghai, China

NINGJIN SUN NEW ENERGY RESOURCE CO.,LTD.
No.8, Jinglong Street, Ningjin, Xingtai, Hebei, China

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

EUROTEST LABORATORI
(EA ACCREDITED LABORATORY N. 0192)

REPORT No. TIC-PVC01CdO09C423002 & TIC-PVC02CdO09C423004
&
THE MANUFACTURING INSPECTION ON THE DATE 27th-29th April 2009 WITH**
REPORT No. RFI-0409-PPV-TIC-00024-09/01

Expiring date **27.04.2012**
(Providing that the testing basis continues unchanged)

Notes: (*) The Manufacturer and the License Holder declare that these products are constructed using the same materials, components and processes as the tested type DK JM 220, DK JM 175. 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 IECEE "Retesting guideline" for similarity with model DK JM 220 with differences in electrical circuit (only more cells per bypass diode). 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.

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Am Bonner Bogen 2, D-53227 Bonn, 10.06.2009

TÜV INTERCERT Certification Body

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Annex of

Certificate No. **09-PPV-00024/01-M01-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Power [W]
JAM6-200*	60	6"	200
JAM6-205*	60	6"	205
JAM6-210*	60	6"	210
JAM6-215*	60	6"	215
JAM6-220*	60	6"	220
JAM6-225*	60	6"	225
JAM6-230*	60	6"	230
JAM6-235*	60	6"	235
JAM6-240*	60	6'	240
JAM5-155*	72	5'	155
JAM5-160*	72	5'	160
JAM5-165*	72	5'	165
JAM5-170*	72	5'	170
JAM5-175*	72	5'	175
JAM5-180*	72	5'	180
JAM5-185*	72	5'	185
JAM5-190*	72	5'	190
JAM5-195*	72	5'	195

Notes: (*) The Manufacturer and the License Holder declare that these products are constructed using the same materials, components and processes as the tested type DK JM 220, DK JM 175. 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 IECEE "Retesting guideline" for similarity with model DK JM 220 with differences in electrical circuit (only more cells per bypass diode). 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.

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