



C E R T I F I C A T E

Certificate No. 10-PPV-00024/01-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

**PHOTONIX230 (or PNX 230)
(Tested type)**

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

MANUFACTURING & LICENSE HOLDER

PHOTONIX SOLAR P.LTD.

Plot No.B 219, MIDC WAI Dist. Satara PIN 412 803 India

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

EN 61215:2005 / IEC 61215:2005

Crystalline silicon 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

EUROTEST LABORATORI

(EA ACCREDITED LABORATORY N. 0192)

**REPORT No. TIC-PVQ0109C530001, TIC-PS10109C530001
& TIC-PS20109C530001**

Expiring date 24.05.2015

(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 PHOTONIX230 (or PNX 230). xx suffix indicates rated power with 5W or 10W steps; HE indicates high efficiency. 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,

25.05.2010

Dipl.- Ing. F. Sergizzarea

TUV INTERCERT Certification Body



C E R T I F I C A T E

Annex 1 of

Certificate No. 10-PPV-00024/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested type	Cell Number	Cell Size [mm]	Cell Technology	Power [W]
PNX 230	60	156x156 (6")	multicrystalline	230

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

Type	Cell Number	Cell Size [mm]	Power [W]
PNX 250*	60	156x156 (6")	250
PNX xxx*	60	156x156 (6")	from 200 to 240 with 5W steps
PNX 160*	60	156x156 (6")	160
PNX 150*	60	156x156 (6")	150
PNX xxx HE*	60	156x156 (6")	from 240 to 250 with 10W steps
PNX xxx*	54	156x156 (6")	from 175 to 195 with 5W steps
PNX xxx HE*	54	156x156 (6")	from 200 to 215 with 5W steps
PNX 140*	54	108x156	140
PNX 130*	36	156x156 (6")	130
PNX 125*	36	145x156	125
PNX 120*	36	138x156	120
PNX 115*	36	132x156	115
PNX 110*	36	126x156	110
PNX 100*	36	115x156	100
PNX 90*	36	104x156	90
PNX 80*	36	92x156	80
PNX 75*	36	88x156	75
PNX 70*	36	80x156	70

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C E R T I F I C A T E

Annex 2 of

Certificate No. 10-PPV-00024/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size [mm]	Power [W]
PNX 60*	36	70x156	60
PNX 50*	36	58x156	50
PNX 45*	36	52x156	45
PNX 40*	36	46x156	40
PNX 37*	36	44x156	37
PNX 35*	36	40x156	35
PNX 30*	36	35x156	30
PNX 25*	36	30x156	25
PNX 20*	36	46x78	20
PNX 18*	36	42x78	18
PNX 15*	36	35x78	15
PNX 12*	36	28x78	12
PNX 10*	36	24x78	10
PNX 8*	36	20x78	8
PNX 5*	36	12x78	5
PNX 3*	36	10x78	3
PNX 5*	18	25x78	5
PNX 3*	18	15x78	3

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type PHOTONIX230 (or PNX 230). xx suffix indicates rated power with 5W or 10W steps; HE indicates high efficiency. 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.



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