



C E R T I F I C A T E

Certificate No 08-PPV-00045/01-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

MM0230
(Tested Types)

And with Types extended for similarity*
- See Annex -

LICENSE HOLDER: **Andromeda Energy Technologies (P) Ltd.**
No-4, S.P. Road Secundrabad
A.P. 500003 India

MANUFACTURING: **Andromeda Energy Technologies (P) Ltd.**
D-13 Phase V. I.D.A. Jeedimetla Hyderabad
500055, A.P. 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

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EA ACCREDITED LABORATORY N. 0192

REPORT No. TIC-PVM01CdO08C363001 & TIC-PVS01CdO08C363001

First issuing 13.11.2008

Expiring date 11.08.2016
(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 MM0230. 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. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn,

12.08.2011 Dipl.-Ing. F. Sergizzarea

TÜV INTERCERT Certification Body



C E R T I F I C A T E

Annex 1 of

Certificate No 08-PPV-00045/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size [cm x cm]	Cell Technology	Power [W]
MM0230	60	15.6	monocrystalline	230

Types extended for similarity* with monocrystalline cell technology without need of re-testing

(according to IEC61215 "Retesting guideline"):

Type	Cell Number	Cell Size [cm x cm]	Power [W]
MM0255*	60	15.6	255
MM0250*	60	15.6	250
MM0245*	60	15.6	245
MM0240*	60	15.6	240
MM0235*	60	15.6	235
MM0225*	60	15.6	225
MM0220*	60/54	15.6	220
MM0215*	60/54	15.6	215
MM0210*	60/54/50	15.6	210
MM0205*	60/54/50	15.6	205
MM0200*	60/50/48	15.6	200
MM0195*	60/50/48	15.6	195
MM0190*	60/50/48	15.6	190
MM0185*	60/50/48	15.6	185
MM0180*	60/48	15.6	180
MM0175*	60/50/48	15.6	175
MM0170*	60	15.6 / 12.5	170
MM0165*	60/40	15.6 / 12.5	165
MM0160*	60/40	15.6 / 12.5	160
MM0155*	60/40	15.6 / 12.5	155
MM0150*	60/40/36	15.6 / 12.5	150
MM0145*	60/40/36	15.6 / 12.5	145

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DAT-ZE-030/09-00



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C E R T I F I C A T E

Annex 2 of

Certificate No 08-PPV-00045/01-TIC

**Types extended for similarity* with monocrystalline cell technology
without need of re-testing**

(according to IEC61215 "Retesting guideline"):

Type	Cell Number	Cell Size [cm x cm]	Power [W]
MM0140*	60/36	15.6 / 12.5	140
MM0135*	60/36	15.6 / 12.5	135
MM0130*	60/36	15.6 / 12.5	130
MM0125*	60/36	15.6 / 12.5	125
MM0120*	36	15.6 / 12.5	120
MM0115*	36	15.6 / 12.5	115
MM0110*	36	15.6 / 12.5	110
MM0105*	36	15.6 / 12.5	105
MM0100*	36	15.6 / 12.5	100
MM0090*	36	15.6 / 12.5	90
MM0080*	36	15.6 / 12.5	80
MM0075*	36	15.6 / 12.5	75
MM0070*	36	15.6 / 12.5	70
MM0065*	36	15.6 / 12.5	60
MM0060*	36	15.6 / 12.5	60
MM0055*	36	15.6 / 12.5	55
MM0050*	36	15.6 / 12.5	50
MM0045*	36	15.6 / 12.5	45
MM0040*	36	15.6 / 12.5	40
MM0035*	36	15.6 / 12.5	35
MM0030*	36	15.6 / 12.5	30
MM0025*	36	15.6 / 12.5	25
MM0020*	36	15.6 / 12.5	20
MM0015*	36	15.6 / 12.5	15
MM0010*	36	15.6 / 12.5	10

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