



C E R T I F I C A T E

Certificate No. 18-PPV-000002/01-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

**EP260
(Tested Type)**

**And with Types extended for similarity^(*)
- See Annex -**

MANUFACTURER & LICENSE HOLDER

ECHO SOLAR PANELS MANUFACTURING LLC

Community 598-1212 Street 55 Unit 5 Warehouse No. 16 P.O Box 454429 Dubai

**IS IN COMPLIANCE WITH THE REQUIREMENTS SET OUT IN CERTIFICATION PROGRAM
TIC-PR-PC-08-Annex 13 Product certification scheme PV
DIN EN 61215:2012-07**

Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
DIN EN 61730-2:2012-09+A1:2012^()**

Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
To be used in plants at a total voltage up to: 1000 Vdc (application Class A)

**AS RESULT OF THE TEST CARRIED OUT BY
KACST PV LAB ACCREDITED BY GCC ACCREDITATION CENTER no. ATL 0046**

REPORT No. TIC- KPVL17/0002

&

**THE FACTORY INSPECTION ON THE DATE 17th JANUARY 2019 WITH
REPORT No. RFI-0119-PPV-TIC-000002-18**

Expiring date 17.02.2024

(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 EP260. 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 test **(**)** The Fire Test (IEC 61730-2 / MST 23) was not performed. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This certificate is valid and can be used only with its annex.



Bonn, 18.02.2019



Ing. K. Lindenblatt

TÜV INTERCERT Certification Body



C E R T I F I C A T E

Annex 1 of
Certificate No. 18-PPV-000002/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size	Cell Technology	Power [W]
EP260	60	156*156	Polycrystalline	260

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

Type	Cell Number	Cell Size	Power
EP285*	60	156*156	286
EP280*	60	156*156	280
EP275*	60	156*156	275
EP270*	60	156*156	270
EP265*	60	156*156	265
EP260*	60	156*156	260
EP255*	60	156*156	255
EP250*	60	156*156	250
EP245*	60	156*156	245
EP240*	60	156*156	240
EP234*	60	156*156	234
EP229*	48	156*156	229
EP225*	48	156*156	225
EP220*	48	156*156	220
EP215*	48	156*156	215
EP210*	48	156*156	210
EP205*	48	156*156	205

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type EP260. 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 test. (**) The Fire Test (IEC 61730-2 / MST 23) was not performed. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This annex is valid and can be used only with its certificate.



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C E R T I F I C A T E

Annex 2 of
Certificate No. 18-PPV-000002/01-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Power
EP200	48	156*156	200
EP195	48	156*156	195
EP190	48	156*156	190
EP187	48	156*156	187
EP170	36	156*156	170
EP165	36	156*156	165
EP160	36	156*156	160
EP155	36	156*156	155
EP150	36	156*156	150
EP145	36	156*156	145
EP140	36	156*156	140
EP133	28	156*156	133
EP130	28	156*156	130
EP125	28	156*156	125
EP120	28	156*156	120
EP115	28	156*156	115
EP109	28	156*156	109

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type EP280. 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 test. (**) The Fire Test (IEC 61730-2 / MST 23) was not performed. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This annex is valid and can be used only with its certificate.

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Bonn, 18.02.2019



Ing. K. Lindenblatt

TÜV INTERCERT Certification Body