



C E R T I F I C A T E

Certificate No. 12-PPV-0009709/11-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SM-300PC8, SM-300PC8

(Tested Type)

And with Types extended for similarity*

- See Annex -

LICENSE HOLDER:

S-Energy Co., Ltd

3rd Fl., Miraeasset Tower, 20,
Pangyoyeok-ro 241(ibaeksasibil)beon-gil,
Bundang-gu, Seongnam-si, Gyeonggi-do,
Republic of Korea

&

MANUFACTURER:

S-Energy Co., Ltd

260, Gapcheon-ro, Yuseong-gu,
Daejeon, Republic of Korea

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61215:2005

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

IEC 61730-1 : 2004 / IEC 61730-2 : 2004

Photovoltaic (PV) module safety qualification
To be used in plants at a total voltage up to : 300W

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EA ACCREDITED LABORATORY N. 0192

REPORT No. **TIC-PVQ01-17980-120145, TIC-PS101-17980-120145**
TIC-PS201-17980-120145, TIC-PVQ01-17980-120146
TIC-PS101-17980-120146, TIC-PS201-17980-120146

Expiring date 06.12.2017

(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 SM-300PC8, SM-300PC8. 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 IECCE "Retesting guideline" for similarity with PVQ01 17980-101093; PVQ01 17980-100484 with differences in cell technology, to encapsulation system, to superstrate, to backsheet/ substrate, and in cell interconnect materials or technique. This certificate is for type approval and based on voluntarily product test. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn,

10.12.2012 Dipl.-Ing. F. Sergizzarea

TÜV INTERCERT Certification Body



C E R T I F I C A T E

Annex of

Certificate No. 12-PPV-0009709/11-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size [mm]	Cell Technology	Power [W]	Report
SM-300PC8	72	156 x 156	Poly-Si	300	17980-120145
SM-300PC8	72	156 x 156	Poly-Si	300	17980-120146

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

Types	Cell Number	Cell Size [mm]	Module Size [mm]	Power [W]
SM-XXXPC8*	72	156 x 156	1985x999x50	from 270 to 330W
SM-XXXPC8*	60	156 x 156	1665x999x50	from 225 to 275W
SM-XXXPC8*	54	156 x 156	1505x999x50	from 205 to 245W

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SM-300PC8, SM-300PC8. 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 IEC61215 "Retesting guideline" for similarity with PVQ01 17980-101093; PVQ01 17980-100484 with differences in cell technology, to encapsulation system, to superstrate, to backsheets/substrate, and in cell interconnect materials or technique. This certificate is for type approval and based on voluntarily product test. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



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