

CERTIFICATE

Issued to:
Applicant:
Toenergy Technology Hangzhou Co., Ltd.
No.3 Gaoxin Nine Road, Xiaoshan Economy and
Technology Development Zone, 311215 Hangzhou,
P. R. China

Product : Crystalline Silicon PV Modules
Trade name(s) : TOENSOLAR
Type(s)/model(s) : PV module with mono c-Si cells and PV module with poly c-Si cells

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard IEC 61215-1:2016; EN 61215-1:2016; IEC 61215-1-1:2016; EN 61215-1-1:2016; IEC 61215-2:2016; EN 61215-2:2017; IEC 61730-1:2016; EN IEC 61730-1:2018; IEC 61730-2:2016; EN IEC 61730-2:2018
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3121001

DEKRA hereby grants the right to use the DEKRA seal certification mark.

The DEKRA seal certification mark may be applied to the product as specified in this certificate for the duration of the DEKRA seal certification agreement and under the conditions of the DEKRA seal certification agreement.

This certificate is issued on 30 March 2021 and expires at the latest on: 30 March 2026.

Certificate number: 6096886.01DS

DEKRA Testing and Certification (Shanghai) Ltd.

C.Lin
Certification Manager



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Crystalline Silicon
PV Modules
Type Testing

- ▶ IEC 61215-1: 2016
- IEC 61215-1-1: 2016
- IEC 61215-2: 2016
- IEC 61730-1: 2016
- IEC 61730-2: 2016
- ▶ EN 61215-1: 2016
- EN 61215-1-1: 2016
- EN 61215-2: 2017
- EN IEC 61730-1: 2018
- EN IEC 61730-2: 2018
- ▶ Periodically Factory Inspection as per CIG 021-024

www.dekra-seal.com



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	:	Crystalline Silicon PV Modules
Trade name(s)	:	ERA SOLAR
Type(s)/model(s)	:	With maximum system voltage 30V With mono c-Si cut cell: 61416 61415 With poly c-Si cut cell: 61414

Maximum System Voltage:	:	30V
Protection Class:	:	Class III
Pollution Degree:	:	1
Fire Rating:	:	N/A

TESTS**Test requirements**

IEC 61215-1:2016;
EN 61215-1:2016;
IEC 61215-1-1:2016;
EN 61215-1-1:2016;
IEC 61215-2:2016;
EN 61215-2:2017;
IEC 61730-1:2016;
EN IEC 61730-1:2018;
IEC 61730-2:2016;
EN IEC 61730-2:2018

Test result

The test results are laid down in DEKRA test file 6096886A.50A and 6096886A.50B.

Conclusion

The examination proved that all requirements were met.

Factory location

Production Plant A: Toenergy Technology Hangzhou Co., Ltd.

Address of
Production Plant A: No.3 Gaoxin Nine Road, Xiaoshan Economy and Technology Development
Zone, 311215 Hangzhou, P. R. China

Production Plant B: Toenergy Solar SDN BHD

Address of
Production Plant B: No.39, Jalan Perniagaan 6, Taman Perniagaan Setia, Johor Bahru Johor,
81100