

CEEG (Shanghai) Solar Science
Technology Co., Ltd.
Ms. Chenxing-Wei
Technology Dept.
No. 68, West Gangde Road
Songjiang District, Shanghai 201616
P.R. China

Date : 03.08.2010
Our ref. : ELE ZJL
Your ref.: --

Ref : PV Photovoltaic Modules

Type of Equipment : PV-Module
Model Designation : See Certificate
Certificate No. : PV 50186051 0001
Report No. : 12606725 001

Dear Ms. Chenxing-Wei,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

The license holder is: China Sunergy (Nanjing) CO., Ltd
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing 211100
P.R. China

With kind regards,

Certification Body


Dipl.-Ing. W. Herlitschke

Enclosure

Certificate

Registration No.: PV 50186051

Page 1

Report No.: 12606725 001

License Holder:

China Sunergy (Nanjing) CO., Ltd
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing, 211100, P.R. China

Manufacturing Plant:

**CEEG (Shanghai) Solar Science
Technology Co., Ltd.**
No.68, West Gangde Road
Songjiang District
Shanghai, 201616, P. R. China

Product:

PV Module

Type: SSTxxx-72M/P (xxx=255-305 in steps of 5W)
SSTxxx-60M/P (xxx=210-255 in steps of 5W)
SSTxxx-54M/P (xxx=190-230 in steps of 5W)
SSTxxx-48M/P (xxx=175-205 in steps of 5W)
SSTxxx-36M/P (xxx=130-150 in steps of 5W)
SSTxxx-72M (xxx=170-200 in steps of 5W)
CSUNxxx-72M/P (xxx=255-305 in steps of 5W)
CSUNxxx-60M/P (xxx=210-255 in steps of 5W)
CSUNxxx-54M/P (xxx=190-230 in steps of 5W)
CSUNxxx-48M/P (xxx=175-205 in steps of 5W)
CSUNxxx-36M/P (xxx=130-150 in steps of 5W)
CSUNxxx-72M (xxx=170-200 in steps of 5W)

where M indicates Mono-crystalline cells

P indicates Poly-crystalline cells

Basis:



**IEC 61215:2005
EN 61215:2005**

"Crystalline silicon terrestrial
photovoltaic (PV) modules - Design
qualification and type approval"



Factory Inspection

To document the consistent quality of
the product factory inspections are
performed periodically.



- **Periodic inspection**
- **Qualified, IEC 61215**
- **Safety tested, IEC 61730**

Remarks:

- Mechanical load test at 5,400 Pa has been performed.
- The details of the factory inspection are documented in report no. 12607137.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate has a validity of 5 years counting from date of issue.



Certification body

Werner Herlitschke
Dipl.-Ing. W. Herlitschke

Yokohama, 03 August 2010

TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan

CEEG (Shanghai) Solar Science
Technology Co., Ltd.
Ms. Chenxing-Wei
Technology Dept.
No. 68, West Gangde Road
Songjiang District, Shanghai 201616
P.R. China

Date : 03.08.2010
Our ref. : ELE ZJL
Your ref.: --

Ref : PV Photovoltaic Modules

Type of Equipment : PV-Module
Model Designation : See Certificate
Certificate No. : PV 50186052 0001
Report No. : 12606725 002

Dear Ms. Chenxing-Wei,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

The license holder is: China Sunergy (Nanjing) CO., Ltd
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing 211100
P.R. China

With kind regards,

Certification Body


Dipl.-Ing. W. Herlitschke

Enclosure

Certificate

Registration No.: PV 50186052

Page 1

Report No.: 12606725 002

License Holder:

China Sunergy (Nanjing) CO., Ltd
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing, 211100, P.R. China

Manufacturing Plant:

**CEEG (Shanghai) Solar Science
Technology Co., Ltd.**
No.68, West Gangde Road
Songjiang District
Shanghai, 201616, P. R. China

Product:

PV Module

Type: SSTxxx-72M/P (xxx=255-305 in steps of 5W)
SSTxxx-60M/P (xxx=210-255 in steps of 5W)
SSTxxx-54M/P (xxx=190-230 in steps of 5W)
SSTxxx-48M/P (xxx=175-205 in steps of 5W)
SSTxxx-36M/P (xxx=130-150 in steps of 5W)
SSTxxx-72M (xxx=170-200 in steps of 5W)
CSUNxxx-72M/P (xxx=255-305 in steps of 5W)
CSUNxxx-60M/P (xxx=210-255 in steps of 5W)
CSUNxxx-54M/P (xxx=190-230 in steps of 5W)
CSUNxxx-48M/P (xxx=175-205 in steps of 5W)
CSUNxxx-36M/P (xxx=130-150 in steps of 5W)
CSUNxxx-72M (xxx=170-200 in steps of 5W)

where M indicates Mono-crystalline cells

P indicates Poly-crystalline cells

Basis:

- ☒ **IEC 61730-1:2004**
IEC 61730-2:2004
EN 61730-1:2007
EN 61730-2:2007
"Photovoltaic (PV) module safety
qualification"

- ☒ **Factory Inspection**
To document the consistent quality of
the product factory inspections are
performed periodically.



- **Periodic inspection**
- **Qualified, IEC 61215**
- **Safety tested, IEC 61730**

Remarks:

- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 12607137.

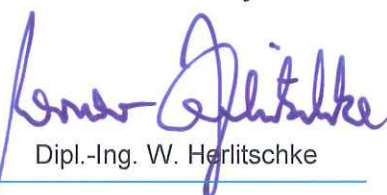
Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate has a validity of 5 years counting from date of issue.



Certification body


Dipl.-Ing. W. Herlitschke

Yokohama, 03 August 2010

TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan

China Sunergy (Nanjing) CO., Ltd
Mr. Harry Yang, Technology Support
Supervisor

Date : 16.11.2011
Our ref. : ELE ZJL
Your ref.: --

-
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing 211100
P.R. China

Ref : PV Photovoltaic Modules

Type of Equipment : PV-Module
Model Designation : See Certificate
Certificate No. : PV 50186051 0005
Report No. : 12606725 036

Dear Mr. Harry Yang,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services.

Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body



Dipl.-Ing. J. Taylor

Enclosure

Certificate

Registration No.: PV 50186051

Page 5

Report No.: 12606725 036

License Holder:

China Sunergy (Nanjing) CO., Ltd
NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing, 211100, P.R. China

Product:

PV Module
Addition

Type: SSTxxx-72M, SSTxxx-72M-ROOF, SSTxxx-72M-BW
CSUNxxx-72M, CSUNxxx-72M-ROOF, CSUNxxx-72M-BW
(xxx = 310-320 in steps of 5W)

SSTxxx-60M, SSTxxx-60M-ROOF, SSTxxx-60M-BW
CSUNxxx-60M, CSUNxxx-60M-ROOF, CSUNxxx-60M-BW
(xxx = 260-270 in steps of 5W)

SSTxxx-54M, SSTxxx-54M-ROOF, SSTxxx-54M-BW, CSUNxxx-54M
CSUNxxx-54M-ROOF, CSUNxxx-54M-BW (xxx = 235, 240)
SSTxxx-48M, SSTxxx-48M-ROOF, SSTxxx-48M-BW, CSUNxxx-48M
CSUNxxx-48M-ROOF, CSUNxxx-48M-BW (xxx = 210, 215)
SSTxxx-36M, SSTxxx-36M-ROOF, SSTxxx-36M-BW, CSUNxxx-36M
CSUNxxx-36M-ROOF, CSUNxxx-36M-BW (xxx = 155, 160)

Manufacturing Plant:

**CEEG (Shanghai) Solar Science
Technology Co., Ltd.**
No.68, West Gangde Road
Songjiang District
Shanghai, 201616, P. R. China

Basis:



**IEC 61215:2005
EN 61215:2005**

"Crystalline silicon terrestrial
photovoltaic (PV) modules - Design
qualification and type approval"



Factory Inspection

To document the consistent quality of
the product factory inspections are
performed periodically.



- Periodic inspection
- Qualified, IEC 61215
- Safety tested, IEC 61730

Remarks:

- Additional type designations see above.
- For associated manufacturing plants, refer to the preceding certificate page.
- The details of the factory inspection are documented in report no. 12607137.
- Mechanical load test at 5,400 Pa has been performed.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid for 5 years from the date of issue stated on page 1.



Certification body

Dipl.-Ing. J. Taylor

Yokohama, 16 November 2011

TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan

China Sunergy (Nanjing) CO., Ltd
Mr. Harry Yang, Technology Support
Supervisor

Date : 16.11.2011
Our ref. : ELE ZJL
Your ref.: --

NO. 123, Focheng West Road
Jiangning Economic &
Technical Development Zone
Nanjing 211100
P.R. China

Ref : PV Photovoltaic Modules

Type of Equipment : PV-Module
Model Designation : See Certificate
Certificate No. : PV 50186052 0006
Report No. : 12606725 037

Dear Mr. Harry Yang,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services.

Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body



Dipl.-Ing. J. Taylor

Enclosure

Certificate

Registration No.: PV 50186052
Page 6
Report No.: 12606725 037
License Holder:

China Sunergy (Nanjing) CO., Ltd
 NO. 123, Focheng West Road
 Jiangning Economic &
 Technical Development Zone
 Nanjing, 211100, P.R. China

Product:

PV Module
 Addition

Type: SSTxxx-72M, SSTxxx-72M-ROOF, SSTxxx-72M-BW
 CSUNxxx-72M, CSUNxxx-72M-ROOF, CSUNxxx-72M-BW
 (xxx = 310-320 in steps of 5W)

SSTxxx-60M, SSTxxx-60M-ROOF, SSTxxx-60M-BW
 CSUNxxx-60M, CSUNxxx-60M-ROOF, CSUNxxx-60M-BW
 (xxx = 260-270 in steps of 5W)

SSTxxx-54M, SSTxxx-54M-ROOF, SSTxxx-54M-BW, CSUNxxx-54M
 CSUNxxx-54M-ROOF, CSUNxxx-54M-BW (xxx = 235, 240)

SSTxxx-48M, SSTxxx-48M-ROOF, SSTxxx-48M-BW, CSUNxxx-48M
 CSUNxxx-48M-ROOF, CSUNxxx-48M-BW (xxx = 210, 215)

SSTxxx-36M, SSTxxx-36M-ROOF, SSTxxx-36M-BW, CSUNxxx-36M
 CSUNxxx-36M-ROOF, CSUNxxx-36M-BW (xxx = 155, 160)

Manufacturing Plant:

**CEEG (Shanghai) Solar Science
 Technology Co., Ltd.**
 No.68, West Gangde Road
 Songjiang District
 Shanghai, 201616, P. R. China

Basis:


IEC 61730-1:2004
IEC 61730-2:2004
EN 61730-1:2007
EN 61730-2:2007
 "Photovoltaic (PV) module safety
 qualification"



- **Periodic inspection**
- **Qualified, IEC 61215**
- **Safety tested, IEC 61730**



Factory Inspection
 To document the consistent quality of
 the product factory inspections are
 performed periodically.

Remarks:

- Additional type designations see above.
- For associated manufacturing plants, refer to the preceding certificate page.
- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- Fire Resistance Class C (IEC 61730-2 / MST 23) for Backsheet(s) as specified in the test report.
- The details of the factory inspection are documented in report no. 12607137.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid for 5 years from the date of issue stated on page 1.


Certification body

Dipl.-Ing. J. Taylor
Yokohama, 16 November 2011
TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan