

Certificate

Registration No.: PV 50171540

Page 1

Report No.: 12604436 009

License Holder:

UPSOLAR CO., LTD

19F, Silver Centre
1388 North Shaanxi Rd
Shanghai, 200060, P.R. China

Manufacturing Plant:

0002-12604436 001

Product:

PV Module

Type:

UP-M150P(48 cells), UP-M155P(48 cells), UP-M160P(48 cells),
UP-M165P(48 cells), UP-M170P(48 cells), UP-M175P(48 cells),
UP-M180P(48 cells), UP-M185P(48 cells), UP-M190P(48 cells),
UP-M180P(54 cells), UP-M185P(54 cells), UP-M190P(54 cells),
UP-M195P(54 cells), UP-M200P(54 cells), UP-M205P(54 cells),
UP-M210P(54 cells), UP-M215P(54 cells)
UP-M180P(60 cells), UP-M185P(60 cells), UP-M190P(60 cells),
UP-M195P(60 cells), UP-M200P(60 cells), UP-M205P(60 cells),
UP-M210P(60 cells), UP-M215P(60 cells), UP-M220P(60 cells),
UP-M225P(60 cells), UP-M230P(60 cells), UP-M235P(60 cells),
UP-M240P(60 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

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 until 21 June 2014.



Certification body



Dipl.-Ing. W. Herlitschke

Yokohama, 22 December 2009

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

Certificate

Registration No.: PV 50171541

Page 1

Report No.: 12604436 010

License Holder:

UPSOLAR CO., LTD

19F, Silver Centre

1388 North Shaanxi Rd

Shanghai, 200060, P.R. China

Product:

PV Module

Type:

UP-M150P(48 cells), UP-M155P(48 cells), UP-M160P(48 cells),
UP-M165P(48 cells), UP-M170P(48 cells), UP-M175P(48 cells),
UP-M180P(48 cells), UP-M185P(48 cells), UP-M190P(48 cells),
UP-M180P(54 cells), UP-M185P(54 cells), UP-M190P(54 cells),
UP-M195P(54 cells), UP-M200P(54 cells), UP-M205P(54 cells),
UP-M210P(54 cells), UP-M215P(54 cells)
UP-M180P(60 cells), UP-M185P(60 cells), UP-M190P(60 cells),
UP-M195P(60 cells), UP-M200P(60 cells), UP-M205P(60 cells),
UP-M210P(60 cells), UP-M215P(60 cells), UP-M220P(60 cells),
UP-M225P(60 cells), UP-M230P(60 cells), UP-M235P(60 cells),
UP-M240P(60 cells)

Manufacturing Plant:

0002-12604436 002

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:

- 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.

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 until 21 June 2014.



Certification body



Dipl.-Ing. W. Herlitschke

Yokohama, 22 December 2009

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

Certificate

Registration No.: PV 60024894

Page 1

Report No.: 21207635-1

License Holder:
UPSOLAR Co., Limited
Floor/19, Silver Centre
1388 North Shaanxi Rd.
200060 Shanghai
China

Product:
PV Modules
Type: UP-M160M, UP-M165M, UP-M170M,
UP-M175M, UP-M180M.

Manufacturing plant:
0001—21136662 001

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.



- Qualified, IEC 61215
- Periodic Inspection

Remarks:

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 until 12 June 2013.



Cologne, 8 April 2009

Dipl.-Ing. M. Adrian

Certificate

Registration No.: PV 60024895

Page 1

Report No.: 21207635-2

License Holder:

UPSOLAR Co., Limited

Floor/19, Silver Centre
1388 North Shaanxi Rd.
200060 Shanghai
China

Product:

PV Modules

Type: UP-M160M, UP-M165M, UP-M170M,
UP-M175M, UP-M180M.

Manufacturing plant:

0001—21138939 001

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.



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

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.

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 until 12 June 2013.

Certification body



Cologne, 8 April 2009

Dipl.-Ing. M. Adrian