TÜVRheinland®

Certificate

Registration No.: PV 50146354 Page 1 **Report No.: 12016211 004**

License Holder:
Kyocera Corporation
6 Takeda, Tobadono-cho
Fushimi-ku, Kyoto
612-8501 JAPAN

Manufacturing Plant:
Kyocera Corporation
Mie Ise Plant
600-10 Shimono-cho
Ise-shi, Mie
516-8510 JAPAN

Product:
PV Module
Type:
KC40GX-2P, KC50GX-2P, KC65GX-2P
KC85GX-2P , KC130GX-2P, KC120GX-2PDX
KC40GX-2, KC50GX-2, KC65GX-2, KC85GX-2
KC130GX-2, KC120GX-2DX
KC85SX-1P, KC85SX-1
maximum system voltage (Voc at STC) of up to 750 VDC
KC120GH-2P, KC130GH-2P, KC175GH-2P
KC200GH-2P, KC120GH-2, KC130GH-2
KC175GH-2, KC200GH-2,
maximum system voltage (Voc at STC) of up to 1000 VDC

Basis:

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

www.tuv.com TÜVRheinland® ID:0000022553

- **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 **750 or 1000 VDC as stated above.**
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 12605118 001.
- Reissue of Certificate PV 60020697 and addition of models.

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.

TÜV Rheinland Japan Ltd. TÜVRheinland® Certification Body

Certification body

Yokohama, 29 January 2009

Dipl.-Ing. W. Herlitschke

TÜVRheinland®

Certificate

Registration No.: PV 50146354 Page 2 **Report No.: 12016211 004**

License Holder:
Kyocera Corporation
6 Takeda, Tobadono-cho
Fushimi-ku, Kyoto
612-8501 JAPAN

Manufacturing Plant:
Kyocera (Tianjin) Solar Energy Co., Ltd.
Tianjin Economic-Technological Development Area
16 XiangAn Road (5th Avenue)
Tianjin 300457 P.R. China

Product:
PV Module
Type:
KC40GX-2P, KC50GX-2P, KC65GX-2P
KC85GX-2P , KC130GX-2P, KC120GX-2PDX
KC40GX-2, KC50GX-2, KC65GX-2, KC85GX-2
KC130GX-2, KC120GX-2DX
KC85SX-1P, KC85SX-1
maximum system voltage (Voc at STC) of up to 750 VDC
KC120GH-2P, KC130GH-2P, KC175GH-2P
KC200GH-2P, KC120GH-2, KC130GH-2
KC175GH-2, KC200GH-2,
maximum system voltage (Voc at STC) of up to 1000 VDC

Basis:

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

www.tuv.com TÜVRheinland® ID:0000022553

- **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 **750 or 1000 VDC as stated above.**
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 12605119 001.
- Reissue of Certificate PV 60020697 and addition of models.

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.

TÜV Rheinland Japan Ltd. TÜVRheinland® Certification Body

Certification body

Yokohama, 29 January 2009

Dipl.-Ing. W. Herlitschke

TÜVRheinland®

Certificate

Registration No.: PV 50146354 Page 3 **Report No.: 12016211 004**

License Holder:
Kyocera Corporation
6 Takeda, Tobadono-cho
Fushimi-ku, Kyoto
612-8501 JAPAN

Manufacturing Plant:
KYOCERA Solar Europe S. R. O.
Kralovsky Vrch 1977
43201 Kadan
Czech Republic

Product:
PV Module
Type:
KC40GX-2P, KC50GX-2P, KC65GX-2P
KC85GX-2P , KC130GX-2P, KC120GX-2PDX
KC40GX-2, KC50GX-2, KC65GX-2, KC85GX-2
KC130GX-2, KC120GX-2DX
KC85SX-1P, KC85SX-1
maximum system voltage (Voc at STC) of up to 750 VDC
KC120GH-2P, KC130GH-2P, KC175GH-2P
KC200GH-2P, KC120GH-2, KC130GH-2
KC175GH-2, KC200GH-2,
maximum system voltage (Voc at STC) of up to 1000 VDC

Basis:

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

www.tuv.com TÜVRheinland® ID:0000022553

- **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 **750 or 1000 VDC as stated above.**
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 21207674.
- Reissue of Certificate PV 60020697 and addition of models.

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.

TÜV Rheinland Japan Ltd. TÜVRheinland® Certification Body

Certification body

Yokohama, 29 January 2009

Dipl.-Ing. . W. Herlitschke

TÜVRheinland®

Certificate

Registration No.: PV 50146354 Page 4 **Report No.: 12016211 004**

License Holder:
Kyocera Corporation
6 Takeda, Tobadono-cho
Fushimi-ku, Kyoto
612-8501 JAPAN

Manufacturing Plant:
KYOCERA MEXICANA, S.A. DE C.V.
BLVD. BUENA VISTA OTAY No.2055
OTAY UNIVERSIDAD 22427
TIJUANA, B.C. MEXICO

Product:
PV Module
Type:
KC40GX-2P, KC50GX-2P, KC65GX-2P
KC85GX-2P , KC130GX-2P, KC120GX-2PDX
KC40GX-2, KC50GX-2, KC65GX-2, KC85GX-2
KC130GX-2, KC120GX-2DX
KC85SX-1P, KC85SX-1
maximum system voltage (Voc at STC) of up to 750 VDC
KC120GH-2P, KC130GH-2P, KC175GH-2P
KC200GH-2P, KC120GH-2, KC130GH-2
KC175GH-2, KC200GH-2,
maximum system voltage (Voc at STC) of up to 1000 VDC

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.

www.tuv.com TÜVRheinland® ID:0000022553

- **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 **750 or 1000 VDC as stated above.**
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 12605186 001.
- Reissue of Certificate PV 60020697 and addition of models.

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.

TÜV Rheinland Japan Ltd. TÜVRheinland® Certification Body

Certification body

Yokohama, 29 January 2009

Dipl.-Ing. W. Herlitschke