

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50378140

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0001

Ihr Zeichen *Client Reference*
R.Y.

Unser Zeichen *Our Reference*
01-AY-15067427 039

Ausstellungsdatum
10.05.2017

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
SHARP Corporation
282-1, HAJIKAMI, KATSURAGI-SHI,
NARA,
639-2198 Japan

Fertigungsstätte *Manufacturing Plant*
01-AY-15067427 012

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61215:2005
IEC 61215:2005
EN 61730-1:2007+A1+A2
IEC 61730-1:2004+A1+A2
EN 61730-2:2007+A1
IEC 61730-2:2004+A1

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Module

Type Designation:
With 6" poly c-Si cells:
ND-HAxxx (xxx=280-340, in steps of 5, 72 cells)

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Remarks:

- The above listed PV modules fulfil the requirements of Application Class A (Class II acc. to IEC 61140). 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 performed.
- The above listed PV modules fulfil the requirements of fire rating class C.

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 09 April 2019.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 <http://www.tuv.com/safety>



Dipl.-Ing. D. Löffler

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50378140

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0002

Ihr Zeichen *Client Reference*
R.Y.

Unser Zeichen *Our Reference*
01-AY-15067427 050

Ausstellungsdatum *Date of Issue*
01.11.2017 (day/mo/yr)

Genehmigungsinhaber *License Holder*
SHARP Corporation
282-1, HAJIKAMI, KATSURAGI-SHI,
NARA,
639-2198 Japan

Fertigungsstätte *Manufacturing Plant*
030-0000627909

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 61215:2005
IEC 61215:2005
EN 61730-1:2007+A1+A2+A11
IEC 61730-1:2004+A1+A2
EN 61730-2:2007+A1
IEC 61730-2:2004+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Module

Same as Page 1

In addition:

With 6" poly c-Si cells:

ND-AHxxx (xxx=285-385, in steps of 5, 72 cells)
ND-RHxxx (xxx=285-385, in steps of 5, 72 cells)
ND-AHxxxW (xxx=285-385, in steps of 5, 72 cells)
ND-RHxxxW (xxx=285-385, in steps of 5, 72 cells)
ND-AHxxxB (xxx=285-385, in steps of 5, 72 cells)
ND-RHxxxB (xxx=285-385, in steps of 5, 72 cells)
ND-AKxxx (xxx=235-320, in steps of 5, 60 cells)
ND-RKxxx (xxx=235-320, in steps of 5, 60 cells)
ND-AKxxxW (xxx=235-320, in steps of 5, 60 cells)
ND-RKxxxW (xxx=235-320, in steps of 5, 60 cells)
ND-AKxxxB (xxx=235-320, in steps of 5, 60 cells)
ND-RKxxxB (xxx=235-320, in steps of 5, 60 cells)

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Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Dipl.-Ing. (TU) G. Reimann

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50378140

Blatt *Page*
0003

Ihr Zeichen *Client Reference*
R.Y.

Unser Zeichen *Our Reference*
01-AY-15067427 050

Ausstellungsdatum *Date of Issue*
01.11.2017 (day/mo/yr)

Genehmigungsinhaber *License Holder*
SHARP Corporation
282-1, HAJIKAMI, KATSURAGI-SHI,
NARA,
639-2198 Japan

Fertigungsstätte *Manufacturing Plant*
030-0000627909

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61215:2005
IEC 61215:2005
EN 61730-1:2007+A1+A2+A11
IEC 61730-1:2004+A1+A2
EN 61730-2:2007+A1
IEC 61730-2:2004+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Module

Continuation of Page 2

With 6" mono c-Si cells:

NU-AHxxx (xxx=285-365, in steps of 5, 72 cells)
NU-RHxxx (xxx=285-365, in steps of 5, 72 cells)
NU-AHxxxW (xxx=285-365, in steps of 5, 72 cells)
NU-RHxxxW (xxx=285-365, in steps of 5, 72 cells)
NU-AHxxxB (xxx=285-365, in steps of 5, 72 cells)
NU-RHxxxB (xxx=285-365, in steps of 5, 72 cells)
NU-AKxxx (xxx=235-305, in steps of 5, 60 cells)
NU-RKxxx (xxx=235-305, in steps of 5, 60 cells)
NU-AKxxxW (xxx=235-305, in steps of 5, 60 cells)
NU-RKxxxW (xxx=235-305, in steps of 5, 60 cells)
NU-AKxxxB (xxx=235-305, in steps of 5, 60 cells)
NU-RKxxxB (xxx=235-305, in steps of 5, 60 cells)

With 6" poly c-Si cells:

ND-xxxMM (xxx=235-320, in steps of 5, 60 cells)
ND-xxxYM (xxx=235-320, in steps of 5, 60 cells)

With 6" mono c-Si cells:

NU-xxxMM (xxx=235-305, in steps of 5, 60 cells)
NU-xxxYM (xxx=235-305, in steps of 5, 60 cells)

Remarks:

- Upgrade EN 61730-1:2007+A1+A2 to EN 61730-1:2007+A1+A2+A11

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Zertifizierungsstelle

Dipl.-Ing. (TU) G. Reimann

Zertifikat

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Zertifikat Nr. *Certificate No.*
PV 50378140

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0004

Ihr Zeichen *Client Reference*
K.S.

Unser Zeichen *Our Reference*
01-AY-15067427 063

Ausstellungsdatum *Date of Issue*
14.01.2019
(day/mo/yr)

Genehmigungsinhaber *License Holder*
SHARP Corporation
282-1, HAJIKAMI, KATSURAGI-SHI,
NARA,
639-2198 Japan

Fertigungsstätte *Manufacturing Plant*
030-0000627909

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61215:2005
IEC 61215:2005
EN 61730-1:2007+A1+A2+A11
IEC 61730-1:2004+A1+A2
EN 61730-2:2007+A1
IEC 61730-2:2004+A1

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Same as Page 1-3

In addition:

Type Designation:

With 6" mono c-Si cells:

NU-AHxxx (xxx=370~390, in steps of 5, 72 cells)
NU-RHxxx (xxx=370~390, in steps of 5, 72 cells)
NU-AHxxxW (xxx=370~390, in steps of 5, 72 cells)
NU-RHxxxW (xxx=370~390, in steps of 5, 72 cells)
NU-AHxxxB (xxx=370~390, in steps of 5, 72 cells)
NU-RHxxxB (xxx=370~390, in steps of 5, 72 cells)
NU-AKxxx (xxx=310~325, in steps of 5, 60 cells)
NU-RKxxx (xxx=310~325, in steps of 5, 60 cells)
NU-AKxxxW (xxx=310~325, in steps of 5, 60 cells)
NU-RKxxxW (xxx=310~325, in steps of 5, 60 cells)
NU-AKxxxB (xxx=310~325, in steps of 5, 60 cells)
NU-RKxxxB (xxx=310~325, in steps of 5, 60 cells)
NU-xxxMM (xxx=310~325, in steps of 5, 60 cells)
NU-xxxYM (xxx=310~325, in steps of 5, 60 cells)

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