

Factory Inspection Certificate

Registration No.: FI 60136809

Page 1

Report No.: 21290489.001

License Holder:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

refer to Attachment Page 1 to 5 for module types

Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

The above listed module types are manufactured in the European Union. The manufacturing plant is under a periodic factory surveillance programme in the frame of TÜV Rheinland type approval certification according to IEC 61215-1; -1-1; -2:2016 and IEC 61730-1; -2:2016.

These main production steps are taking place in the above listed plant(s):

- Cell stringing and connection of strings
- Assembly / Lamination
- Electrical tests

Remarks:

Further information can be found in the annex of the factory inspection certificate.

Certification body



Dipl.-Ing. M. Adrian

Cologne, 6 March 2019

Attachment to

Registration No.: FI 60136809

Page 1 of 5

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License Holder:

CS Wismar GmbH
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23966 Wismar
Germany

Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

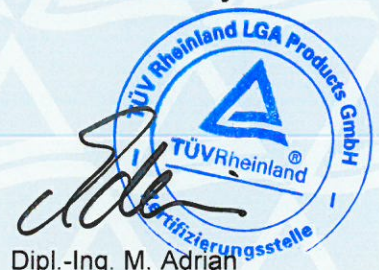
with 6" mono cells
Excellent Glass/Glass xxxM72 balance
Excellent Glass/Glass xxxM72 smart
Excellent Glass/Glass xxxM72 black
(xxx= 335-345 in steps of 5, 72 cells)
Excellent Glass/Glass xxxM60 balance
Excellent Glass/Glass xxxM60 smart
Excellent Glass/Glass xxxM60 black
(xxx= 275-285 in steps of 5, 60 cells)
Excellent xxxM72 smart
Excellent xxxM72 black
(xxx= 335-345 in steps of 5, 72 cells)
Excellent xxxM60 smart
Excellent xxxM60 black
(xxx= 275-285 in steps of 5, 60 cells)

with 6" mono perc cells
Excellent Glass/Glass xxxPERC60 balance
Excellent Glass/Glass xxxPERC60 smart
Excellent Glass/Glass xxxPERC60 black
(xxx= 285-300 in steps of 5, 60 cells)
Excellent xxxPERC60 smart
Excellent xxxPERC60 black
(xxx= 285-300 in steps of 5, 60 cells)

with 6" poly cells
Excellent Glass/Glass xxxP72 balance
Excellent Glass/Glass xxxP72 smart
Excellent Glass/Glass xxxP72 black
(xxx= 315-325 in steps of 5, 72 cells)
Excellent Glass/Glass xxxP60 balance
Excellent Glass/Glass xxxP60 smart
Excellent Glass/Glass xxxP60 black
(xxx= 265-275 in steps of 5, 60 cells)
Excellent xxxP72 smart
Excellent xxxP72 black
(xxx= 315-325 in steps of 5, 72 cells)
Excellent xxxP60 smart
Excellent xxxP60 black
(xxx= 265-275 in steps of 5, 60 cells)

xxx represent output power in Wp

Certification body



Dipl.-Ing. M. Adrian

Cologne, 6 March 2019

TÜV Rheinland LGA Products GmbH, Tillystrasse 2, 90431 Nürnberg, Germany / Contact: + 49 221 806 2477 email: eneratest@de.tuv.com

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An der Westtangente 1
23966 Wismar
Germany

Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

with 6" mono cells
Integration Glass/Glass xxxM60
(xxx= 275-285 in steps of 5, 60 cells)
Integration xxxM50, Integration xxxM50 black
(xxx= 230, 50 cells)

with 6" poly cells
Integration Glass/Glass xxxP60
(xxx= 265-275 in steps of 5, 60 cells)
Integration xxxP50, Integration xxxP50 black
(xxx= 220, 50 cells)

with 6" PERC cells
Integration Glass/Glass xxxPERC60
(xxx= 285-300 in steps of 5, 60 cells)

with 6" mono cells
Professional Glass/Glass xxxM60 balance
Professional Glass/Glass xxxM60 smart
Professional Glass/Glass xxxM60 black
(xxx= 275-285 in steps of 5, 60 cells)
Professional xxxM60 smart
Professional xxxM60 black
(xxx= 275-285 in steps of 5, 60 cells)

with 6" poly cells
Professional Glass/Glass xxxP60 balance
Professional Glass/Glass xxxP60 smart
Professional Glass/Glass xxxP60 black
(xxx= 265-275 in steps of 5, 60 cells)
Professional xxxP60 smart
Professional xxxP60 black
(xxx= 265-275 in steps of 5, 60 cells)

with 6" PERC cells
Professional Glass/Glass xxxPERC60 balance
Professional Glass/Glass xxxPERC60 smart
Professional Glass/Glass xxxPERC60 black
(xxx= 285-300 in steps of 5, 60 cells)
Professional xxxPERC60 smart
Professional xxxPERC60 black
(xxx= 285-300 in steps of 5, 60 cells)

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Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

with 6" mono cells
Excellent Glass/Glass xxxM48 balance
Excellent Glass/Glass xxxM48 smart
Excellent Glass/Glass xxxM48 black
Excellent Glass/Glass xxxM48 brilliant
(xxx = 215, 48 cells)
Excellent xxxM48 smart
Excellent xxxM48 black
Integration Glass/Glass xxxM48
(xxx = 215, 48 cells)

with 6" mono Perc cells
Excellent Glass/Glass xxxPERC72 balance
Excellent Glass/Glass xxxPERC72 smart
Excellent Glass/Glass xxxPERC72 black
(xxx = 360, 72 cells)
Excellent Glass/Glass xxxPERC54 balance
Excellent Glass/Glass xxxPERC54 smart
Excellent Glass/Glass xxxPERC54 black
Excellent Glass/Glass xxxPERC54 brilliant
(xxx = 265, 54 cells)
Excellent Glass/Glass xxxPERC48 balance
Excellent Glass/Glass xxxPERC48 smart
Excellent Glass/Glass xxxPERC48 black
Excellent Glass/Glass xxxPERC48 brilliant
(xxx = 235, 48 cells)

Excellent xxxPERC72 smart
Excellent xxxPERC72 black
(xxx = 360, 72 cells)
Excellent xxxPERC54 smart
Excellent xxxPERC54 black
(xxx = 265, 54 cells)
Excellent xxxPERC48 smart
Excellent xxxPERC48 black
(xxx = 235, 48 cells)
Integration Glass/Glass xxxPERC54
(xxx = 265, 54 cells)
Integration Glass/Glass xxxPERC48
(xxx = 235, 48 cells)

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An der Westtangente 1
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Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

with 6" mono cells
Excellent Glass/Glass xxxM72 smart frameless
Excellent Glass/Glass xxxM72 black frameless
Excellent Glass/Glass xxxM72 balance frameless
(xxx = 335 – 345 in steps of 5, 72 cells)
Excellent Glass/Glass xxxM60 smart frameless
Excellent Glass/Glass xxxM60 black frameless
Excellent Glass/Glass xxxM60 balance frameless
(xxx = 275 – 285 in steps of 5, 60 cells)
Excellent Glass/Glass xxxM48 smart frameless
Excellent Glass/Glass xxxM48 black frameless
Excellent Glass/Glass xxxM48 balance frameless
Excellent Glass/Glass xxxM48 brilliant frameless
(xxx = 215, 48 cells)
Professional Glass/Glass xxxM60 smart frameless
Professional Glass/Glass xxxM60 black frameless
Professional Glass/Glass xxxM60 balance frameless
(xxx = 275 – 285 in steps of 5, 60 cells)

with 6" mono Perc cells
Excellent Glass/Glass xxxPERC72 smart frameless
Excellent Glass/Glass xxxPERC72 black frameless
Excellent Glass/Glass xxxPERC72 balance frameless
(xxx = 360, 72 cells)
Excellent Glass/Glass xxxPERC60 smart frameless
Excellent Glass/Glass xxxPERC60 black frameless
Excellent Glass/Glass xxxPERC60 balance frameless
(xxx = 285 – 300 in steps of 5, 60 cells)
Excellent Glass/Glass xxxPERC54 smart frameless
Excellent Glass/Glass xxxPERC54 black frameless
Excellent Glass/Glass xxxPERC54 balance frameless
Excellent Glass/Glass xxxPERC54 brilliant frameless
(xxx = 265, 54 cells)
Excellent Glass/Glass xxxPERC48 smart frameless
Excellent Glass/Glass xxxPERC48 black frameless
Excellent Glass/Glass xxxPERC48 balance frameless
Excellent Glass/Glass xxxPERC48 brilliant frameless
(xxx = 235, 48 cells)
Professional Glass/Glass xxxPERC60 smart frameless
Professional Glass/Glass xxxPERC60 black frameless
Professional Glass/Glass xxxPERC60 balance frameless
(xxx = 285 – 300 in steps of 5, 60 cells)

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Dipl.-Ing. M. Adrian

Cologne, 6 March 2019

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Page 5 of 5

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23966 Wismar
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Manufacturing Plant:

CS Wismar GmbH
An der Westtangente 1
23966 Wismar
Germany

Product:

PV Module

Type:

with 6" poly cells
Excellent Glass/Glass xxxP72 smart frameless
Excellent Glass/Glass xxxP72 black frameless
Excellent Glass/Glass xxxP72 balance frameless
(xxx = 315 – 325 in steps of 5, 72 cells)
Excellent Glass/Glass xxxP60 smart frameless
Excellent Glass/Glass xxxP60 black frameless
Excellent Glass/Glass xxxP60 balance frameless
(xxx = 265 – 275 in steps of 5, 60 cells)
Professional Glass/Glass xxxP60 smart frameless
Professional Glass/Glass xxxP60 black frameless
Professional Glass/Glass xxxP60 balance frameless
(xxx = 265 – 275 in steps of 5, 60 cells)

with 6" mono perc cells
Premium Glass/Glass xxxPERC60 triple black
(xxx= 285 – 300 in steps of 5, 60 cells)

with 6" mono cells
Integration xxxM60, Integration xxxM60 black
(xxx= 275 – 285 in steps of 5, 60 cells)
Integration xxxM48, Integration xxxM48 black
(xxx= 215, 48 cells)

with 6" poly cells
Integration xxxP60, Integration xxxP60 black
(xxx= 265 - 275 in steps of 5, 60 cells)

with 6" mono perc cells
Integration xxxPerc60, Integration xxxPerc60 black
(xxx= 285 - 300 in steps of 5, 60 cells)
Integration xxxPerc54, Integration xxxPerc54 black
(xxx= 265, 54 cells)
Integration xxxPerc48, Integration xxxPerc48 black
(xxx= 235, 48 cells)

xxx represent output power in Wp

Certification body



Cologne, 6 March 2019

TÜV Rheinland LGA Products GmbH, Tillystrasse 2, 90431 Nürnberg, Germany / Contact: + 49 221 806 2477 email: eneratest@de.tuv.com

Annex to Factory Inspection Certificate

Registration No.: FI 60136809

Report No.: 21290489.001

Licence Holder:	CS Wismar GmbH An der Westtangente 1 23966 Wismar Germany
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Manufacturing Plant:	CS Wismar GmbH An der Westtangente 1 23966 Wismar Germany
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The details of the factory inspection are documented in report No. 21255065.004 dated 19.09.2018

Certificates:Registration no.
PV 60124103Valid until:
15 October 2022

acc. to :

IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016,
IEC 61730-1:2016, IEC 61730-2:2016

The above listed plant is traceable with the complete address printed on the module type label.

Explanation of serial-No. Identification code:

ABCDEFGH (7 digits):

Digit A: up-counting serial number, value 0 - 9
Digit B: up-counting serial number, value 0 - 9
Digit C: up-counting serial number, value 0 - 9
Digit D: up-counting serial number, value 0 - 9
Digit E: up-counting serial number, value 0 - 9
Digit F: up-counting serial number, value 0 - 9
Digit G: up-counting serial number, value 0 - 9

A continuous one-time 7-digit serial number, combined with a scanable barcode.

Cologne, 06 March 2019

Certification body



Dipl.-Ing. M. Adrian