

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

PV 50654080 0001

Berichtsnummer Report No.:

CN23ASBT 005

Genehmigungsinhaber License Holder:

SOLARWATT GmbH
Maria-Reiche-Str. 2a
01109 Dresden
Deutschland

Fertigungsstätte Manufacturing Site:

3 Fertigungsstätten auf Folgeseiten
Listing of 3 factories on following pages

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
EN IEC 61730-1:2018
EN IEC 61730-2:2018

Geräteidentifikation
Product Identification
Produkt:

PV Module

Product:
Modell:

Modelle sind auf nächste(r) Seite(n) gelistet

Type:
Type designation(s) are listed on the next page(s)
Technische Daten:

Class II acc. to IEC 61140

Technical Data:

For other ratings, refer to the test report.

Gültig bis:

2029-09-28

Date of expiry:
Gültig ab:

2024-11-27

Valid from:
Zertifizierungsstelle:
Certification body:

Angela Yao



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
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

www.tuv.com

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Precisely Right.

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50654080 0001

Berichtsnummer *Report No.:*

CN23ASBT 005

Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

Max. system voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut mono bifacial c-Si cells:

SOLARWATT Panel vision AM 4.5 (xxx Wp) black

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision AM 4.5 (xxx Wp) black, low carbon

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision AM 4.5 (xxx Wp) style

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision AM 4.5 (xxx Wp) style, low carbon

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision AM 4.5 (xxx Wp) pure

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision AM 4.5 (xxx Wp) pure, low carbon

(xxx=405-450, in steps of 5, 108 cells, Pmax@BNPI=448-497)

SOLARWATT Panel vision M 5.0 (xxx Wp) black

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) black, low carbon

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) style

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) style, low carbon

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) pure

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) pure, low carbon

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) construct

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) construct, low carbon

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) construct, black

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision M 5.0 (xxx Wp) construct, black, low carbon

(xxx=425-460, in steps of 5, 108 cells, Pmax@BNPI=470-508)

SOLARWATT Panel vision L 5.0 (xxx Wp) pure

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision L 5.0 (xxx Wp) pure, low carbon

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision L 5.0 (xxx Wp) style

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision L 5.0 (xxx Wp) style, low carbon

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision L 5.0 (xxx Wp) black

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision L 5.0 (xxx Wp) black, low carbon

(xxx=475-515, in steps of 5, 120 cells, Pmax@BNPI=525-568)

SOLARWATT Panel vision XL 5.0 (xxx Wp) pure

(xxx=595-625, in steps of 5, 132 cells, Pmax@BNPI=658-691)

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50654080 0001

Berichtsnummer *Report No.:*

CN23ASBT 005

Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

SOLARWATT Panel vision XL 5.0 (xxx Wp) pure, low carbon
(xxx=595-625, in steps of 5, 132 cells, Pmax@BNPI=658-691)
SOLARWATT Panel vision XL 5.0 (xxx Wp) style
(xxx=595-625, in steps of 5, 132 cells, Pmax@BNPI=658-691)
SOLARWATT Panel vision XL 5.0 (xxx Wp) style, low carbon
(xxx=595-625, in steps of 5, 132 cells, Pmax@BNPI=658-691)
xxx represents output power at STC in Wp

Remarks:

Fire Rating: Class A (according to UL 790)

Safety Factors: 1.5

Design Load (Refer to test report for details of
corresponding materials and installation methods):

3600 Pa (downward) / 1600 Pa (upward)

5400 Pa (downward) / 2400 Pa (upward)

5400 Pa (downward) / 3600 Pa (upward)

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.



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PV 50654080 0001

Berichtsnummer *Report No.:*
CN23ASBT 005

Produkt *Product:*
PV Module

Fertigungsstätten *Factories:*

1 040-0002142067

2 040-0002509811

3 040-0002546491



Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

PV 50654080 0002

Berichtsnummer Report No.:

CN23ASBT 035

Genehmigungsinhaber License Holder:

SOLARWATT GmbH
Maria-Reiche-Str. 2a
01109 Dresden
Deutschland

Fertigungsstätte Manufacturing Site:

3 Fertigungsstätten auf Folgeseiten
Listing of 3 factories on following pages

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
EN IEC 61730-1:2018
EN IEC 61730-2:2018

Geräteidentifikation
Product Identification
Produkt:

PV Module

Product:
Modell:

Modelle sind auf nächste(r) Seite(n) gelistet

Type:
Type designation(s) are listed on the next page(s)
Technische Daten:

Class II acc. to IEC 61140

Technical Data:

For other ratings, refer to the test report.

Gültig bis:

2029-09-28

Date of expiry:
Gültig ab:

2025-11-26

Valid from:
Zertifizierungsstelle:
Certification body:

Angela Yao



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
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50654080 0002

Berichtsnummer *Report No.:*

CN23ASBT 035

Produkt *Product:* PV Module

Modell *Type:* **Bezeichnung** *Designation:*

Same as Page 0001

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut mono bifacial c-Si cells:

SOLARWATT Panel vision M 5.5 (xxx Wp) style

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision M 5.5 (xxx Wp) style, low carbon

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision M 5.5 (xxx Wp) black

(xxx=435-470, in steps of 5, 96 cells)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, low carbon

(xxx=435-470, in steps of 5, 96 cells)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, bifacial

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, bifacial, low carbon

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision M 5.5 (xxx Wp) pure

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision M 5.5 (xxx Wp) pure, low carbon

(xxx=435-470, in steps of 5, 96 cells, Pmax@BNPI=481-519)

SOLARWATT Panel vision L 5.5 (xxx Wp) style

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision L 5.5 (xxx Wp) style, low carbon

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision L 5.5 (xxx Wp) black

(xxx=485-530, in steps of 5, 108 cells)

SOLARWATT Panel vision L 5.5 (xxx Wp) black, low carbon

(xxx=485-530, in steps of 5, 108 cells)

SOLARWATT Panel vision L 5.5 (xxx Wp) black, bifacial

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision L 5.5 (xxx Wp) black, bifacial, low carbon

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision L 5.5 (xxx Wp) pure

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision L 5.5 (xxx Wp) pure, low carbon

(xxx=485-530, in steps of 5, 108 cells, Pmax@BNPI=536-586)

SOLARWATT Panel vision XS 5.0 (xxx Wp) style

(xxx=250-270, in steps of 5, 64 cells, Pmax@BNPI=276-298)

SOLARWATT Panel vision XS 5.0 (xxx Wp) style, low carbon

(xxx=250-270, in steps of 5, 64 cells, Pmax@BNPI=276-298)

SOLARWATT Panel vision XS 5.0 (xxx Wp) construct

(xxx=250-270, in steps of 5, 64 cells, Pmax@BNPI=276-298)

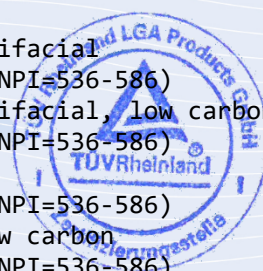
Power range extension for following models:

With 1/2 cut mono bifacial c-Si cells:

SOLARWATT Panel vision M 5.0 (xxx Wp) construct

(xxx=465, 108 cells, Pmax@BNPI=514)

xxx represents output power in Wp



Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
PV 50654080 0002

Berichtsnummer *Report No.:*
CN23ASBT 035

Produkt *Product:*
PV Module

Fertigungsstätten *Factories:*

1 040-0002142067

2 040-0002509811

3 040-0002546491



Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

PV 50654080 0003

Berichtsnummer Report No.:

CN23ASBT 048

Genehmigungsinhaber License Holder:

SOLARWATT GmbH
Maria-Reiche-Str. 2a
01109 Dresden
Deutschland

Fertigungsstätte Manufacturing Site:

3 Fertigungsstätten auf Folgeseiten
Listing of 3 factories on following pages

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

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IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
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EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
EN IEC 61730-1:2018
EN IEC 61730-2:2018

Geräteidentifikation
Product Identification
Produkt: PV Module

Product:
Modell: Modelle sind auf nächste(r) Seite(n) gelistet
Type: *Type designation(s) are listed on the next page(s)*
Technische Daten: Class II acc. to IEC 61140
Technical Data: For other ratings, refer to the test report.

Gültig bis: 2029-09-28
Date of expiry:
Gültig ab: 2026-01-15
Valid from:
Ausstellungsdatum: 2026-01-15
Date of issue:
Zertifizierungsstelle:
Certification body:

Angela Yao



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

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50654080 0003

Berichtsnummer *Report No.:*

CN23ASBT 048

Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

Same as Page 0001-0002

In addition:

With 1/2 cut mono bifacial c-Si cells:

SOLARWATT Panel vision XXL 5.0 (xxx Wp) style

(xxx=675-745, in steps of 5, 132 cells, Pmax@BNPI=746-823)

SOLARWATT Panel vision XXL 5.0 (xxx Wp) style, low carbon

(xxx=675-745, in steps of 5, 132 cells, Pmax@BNPI=746-823)

SOLARWATT Panel vision XXL 5.0 (xxx Wp) pure

(xxx=675-745, in steps of 5, 132 cells, Pmax@BNPI=746-823)

SOLARWATT Panel vision XXL 5.0 (xxx Wp) pure, low carbon

(xxx=675-745, in steps of 5, 132 cells, Pmax@BNPI=746-823)

Power range extension for following models:

With 1/2 cut mono bifacial c-Si cells:

SOLARWATT Panel vision M 5.5 (xxx Wp) style

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision M 5.5 (xxx Wp) style, low carbon

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision M 5.5 (xxx Wp) black

(xxx=475, in steps of 5, 96 cells)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, low carbon

(xxx=475, in steps of 5, 96 cells)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, bifacial

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision M 5.5 (xxx Wp) black, bifacial, low carbon

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision M 5.5 (xxx Wp) pure

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision M 5.5 (xxx Wp) pure, low carbon

(xxx=475, in steps of 5, 96 cells, Pmax@BNPI=525)

SOLARWATT Panel vision XL 5.0 (xxx Wp) style

(xxx=630-650, in steps of 5, 132 cells, Pmax@BNPI=696-718)

SOLARWATT Panel vision XL 5.0 (xxx Wp) style, low carbon

(xxx=630-650, in steps of 5, 132 cells, Pmax@BNPI=696-718)

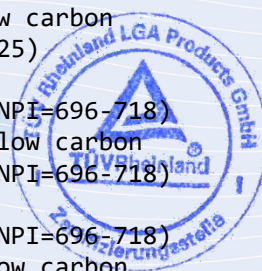
SOLARWATT Panel vision XL 5.0 (xxx Wp) pure

(xxx=630-650, in steps of 5, 132 cells, Pmax@BNPI=696-718)

SOLARWATT Panel vision XL 5.0 (xxx Wp) pure, low carbon

(xxx=630-650, in steps of 5, 132 cells, Pmax@BNPI=696-718)

xxx represents output power in Wp



Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
PV 50654080 0003

Berichtsnummer *Report No.:*
CN23ASBT 048

Produkt *Product:*
PV Module

Fertigungsstätten *Factories:*

1 040-0002142067

2 040-0002509811

3 040-0002546491

