

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50632387 0001

**Berichtsnummer** *Report No.:*  
CN23QCVC 009

**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:*



IEC 62716  
Ammonia  
Resistance  
Regular Production  
Surveillance  
  
www.tuv.com  
ID 1111285884

**Geprüft nach** *Tested according to:*  
IEC 62716:2013  
EN 62716:2013

**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)*

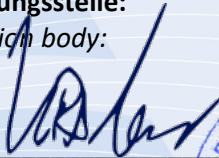
**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report.

**Gültig bis:** 2028-04-18  
*Date of expiry:*

**Gültig ab:** 2024-06-12  
*Valid from:*

**Ausstellungsdatum:** 2024-06-12  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

  
Dipl.-Ing. (FH) Tim Kirschner



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](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

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**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 (Under STC):  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) black  
 (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) style  
 (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) pure  
 (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) black,  
 low carbon (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) style,  
 low carbon (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) pure,  
 low carbon (xxx=405-440, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) black  
 (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) style  
 (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) pure  
 (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) black,  
 low carbon (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) style,  
 low carbon (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) pure,  
 low carbon (xxx=425-445, in steps of 5, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) black  
 (xxx=425-450, in steps of 5, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) style  
 (xxx=425-450, in steps of 5, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) pure  
 (xxx=425-450, in steps of 5, 108 cells)  
 SOLARWATT Panel vision L 5.0 (xxx Wp) pure  
 (xxx=475-500, in steps of 5, 120 cells)  
 SOLARWATT Panel vision L 5.0 (xxx Wp) style  
 (xxx=475-500, in steps of 5, 120 cells)  
 SOLARWATT Panel vision XL 5.0 (xxx Wp) pure  
 (xxx=595-615, in steps of 5, 132 cells)  
 SOLARWATT Panel vision XL 5.0 (xxx Wp) style  
 (xxx=595-615, in steps of 5, 132 cells)  
 With 1/2 cut mono bifacial c-Si cells (Under BNPI):  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) black  
 (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) style  
 (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) pure  
 (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) black,





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**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*

low carbon (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) style,  
 low carbon (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 4.5 (xxx Wp) pure,  
 low carbon (xxx=446,451,457,462,468,473,479,484, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) black  
 (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) style  
 (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) pure  
 (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) black,  
 low carbon (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) style,  
 low carbon (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision AM 5.0 (xxx Wp) pure,  
 low carbon (xxx=468,473,479,484,490, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) black  
 (xxx=468,473,479,484,490,495, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) style  
 (xxx=468,473,479,484,490,495, 108 cells)  
 SOLARWATT Panel vision M 5.0 (xxx Wp) pure  
 (xxx=468,473,479,484,490,495, 108 cells)  
 SOLARWATT Panel vision L 5.0 (xxx Wp) pure  
 (xxx=523,528,534,539,545,550, 120 cells)  
 SOLARWATT Panel vision L 5.0 (xxx Wp) style  
 (xxx=523,528,534,539,545,550, 120 cells)  
 SOLARWATT Panel vision XL 5.0 (xxx Wp) pure  
 (xxx=655,660,666,671,677, 132 cells)  
 SOLARWATT Panel vision XL 5.0 (xxx Wp) style  
 (xxx=655,660,666,671,677, 132 cells)  
 xxx represents output power in Wp

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50583967 0001-0029 and only for the material combination as listed in the above mentioned test report.

**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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**Produkt** *Product:*  
PV Module

**Fertigungsstätten** *Factories:*

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1 040-0002509811

2 040-0002546491

3 040-0002142067

