



ZERTIFIKAT CERTIFICATE

für die überwachte Fertigungsstätte
for the approved Place of Manufacture

Solar-Fabrik AG
Werk 3
Bebelstr. 6
79108 Freiburg

Fertigungsstättennummer: 30019677

Die Überwachung der Fertigungsstätte erfolgte nach dem europäischen Werksinspektions-Verfahren auf Basis der folgenden Schriftstücke: / *This surveillance of the factory was performed according to the European Factory Inspection Procedure based on the following documents:*

ECS/CIG 021 - 024
Mai/May 2009

**Werksinspektionsverfahren, Harmonisierte Anforderungen/
Factory Inspection Procedure - Harmonized Requirements**

Die Anforderungen wurden erfüllt./ The requirements have been fulfilled.

Datum der letzten Inspektion:/ Date of last inspection:

2011-10-05

Produkt-Kategorie: Siehe Anhang/
Product Category: See Appendix

VDE Prüf- und Zertifizierungsinstitut GmbH
Werksinspektion und Konformitätsüberwachung
VDE Testing and Certification Institute
Factory Inspection and Conformity Control

i.A.

Datum / Date: 2011-10-12

Merianstrasse 28, 63069 Offenbach, Deutschland / Germany
Telefon / Phone: +49 69 83 06-0, Telefax / fax: +49 69 83 06-555
E-Mail / e-mail: vde-institut@vde.com, <http://www.vde-institut.com>

Dieses Zertifikat ist nicht übertragbar auf andere Fertigungsstätten und berechtigt nicht zum Führen eines VDE-Zeichens./
This Certificate is not transferable to other places of manufacture and does not authorize to use any VDE Mark.

Die VDE Prüf- und Zertifizierungsinstitut GmbH ist durch die Deutsche Akkreditierungsstelle DAkkS akkreditiert./
The VDE Testing and Certification Institute is accredited by the German Accreditation Body DAkkS.

VDE
INSTITUT

Fertigungsstätten Nummer: 30019615
Factory number:

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Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zertifikats für die überwachte Fertigungsstätte.
This supplement is only valid in conjunction with page 1 of the certificate for the surveilled place of manufacture.

Produkt-Kategorie/ Product Category:

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen/
Crystalline silicon terrestrial photovoltaic modules

VDE ID Nr. des Genehmigungsinhabers/ VDE ID. No. of License Holder: 5002983

Name und Adresse/ Name and Address:

Solar-Fabrik AG
Munzinger Strasse 10
79111 Freiburg, Deutschland

VDE Fertigungsstättennr./ VDE Factory ID. No.: 30019615

Name und Adresse/ Name and Address:

Solar-Fabrik AG
Bebelstr. 3
79108 Freiburg, Deutschland

Letzte Inspektion/ Last inspection: 2011-10-05

VDE Ausweis Nr./ VDE Licence No.: 40027893

Von diesem Ausweis abgedeckte Normen/ Standards covered by this Licence:
IEC 61215 Ed.2, IEC 61730 Ed.1, IEC 61730-2 Ed.1

Vom Ausweis abgedeckte Modul-Typen/ Module-types covered by this Licence:

Premium S poly	Premium S mono	Premium M mono
Premium L poly	Premium L mono	Premium XM mono Premium XM mono black

Alle im Ausweis genannten Module werden in der oben genannten Fertigungsstätte vollständig montiert. Dies beinhaltet die folgenden Fertigungsschritte:
All modules mentioned in the licence are completely assembled in the above mentioned factory. Following steps are incorporated:

- Verlöten der Zellen zu Strings/ *Stringing of cells*
- Auflegen und verlöten der Strings/ *Layup and connecting of strings*
- Laminieren und rahmen der Module/ *Laminating and framing of modules*
- Endkontrolle der Module inklusive elektrischer Tests (Hochspannung/ Leistung)/ *Final inspection of the modules including electrical tests (High voltage/ power)*



A COMPANY OF THE **VDE ASSOCIATION FOR ELECTRICAL, ELECTRONIC & INFORMATION TECHNOLOGIES**

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IBAN:
DE 91500800000198027000

Notified Body according to the Equipment and Product Safety Act (GPSG) for technical work equipment and consumer products.
Notified body according to the EMC Directive 2004/108/EG for Electromagnetic Compatibility (EMC).
Accredited by DAR accreditation bodies according to DIN EN ISO/IEC 17020, 17021, 17025 and DIN EN 45011.
Accredited by: IEC – International Electrotechnical Commission – IECCE/CB, IECQ and CENELEC – European committee for Electrotechnical Standardization – CCA, HAR, ENEC.

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Identifizierung der gelisteten Module der oben genannten Fertigungsstätte mittels Seriennr.:
Identification of the listed modules of the factory listed above by means of the serial no. :

Jedes Modul trägt eine Seriennummer, die 16 oder 18 Ziffern lang ist:

Each module bears an individual serial number, containing 16 or 18 digits:

JJ-NNN-LLXXXXXXXXXX(XX):

- JJ: Produktionsjahr/ *Year of manufacture*
- NNNN: Code Nummer für Typ und Leistung/ *Code number for type and power*
Codierung in folgender Tabelle/ Coding table below
- LL: Fertigungslinie/ *Production line:*
 - 01: Fertigungslinie/ *Line 1*
 - 04, 05: Fertigungslinie/ *Line 4*
 - 06, 07: Fertigungslinie/ *Line 3**Alle Fertigungslinien befinden sich in der o.g. Fertigungsstätte*
All lines are in above mentioned factory
- XX...: Seriennummer/ *Serial number*

Code number (NNNN)	Type	STC Power
0740	Premium S poly	130,00 W
0741	Premium S poly	115,00 W
0742	Premium S poly	120,00 W
0743	Premium S poly	125,00 W
0744	Premium S poly	135,00 W
0745	Premium S poly	140,00 W
0746	Premium S poly	145,00 W
0751	Premium S poly (QK2)	125,00 W
0752	Premium S poly (QK2)	135,00 W

0900	Premium S mono	130,00 W
0902	Premium S mono	120,00 W
0903	Premium S mono	125,00 W
0904	Premium S mono	135,00 W
0905	Premium S mono	140,00 W
0906	Premium S mono	145,00 W
0911	Premium S mono (QK2)	125,00 W
0912	Premium S mono (QK2)	135,00 W

0805	Premium M mono	155,00 W
0806	Premium M mono	160,00 W
0807	Premium M mono	165,00 W
0808	Premium M mono	170,00 W



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0809	Premium M mono	175,00 W
0810	Premium M mono	180,00 W
0814	Premium M mono	185,00 W
0815	Premium M mono (QK2)	160,00 W
0816	Premium M mono (QK2)	175,00 W

0920	Premium L poly	200,00 W
0921	Premium L poly	210,00 W
0923	Premium L poly	215,00 W
0925	Premium L poly	220,00 W
0926	Premium L poly	225,00 W
0927	Premium L poly	230,00 W
0928	Premium L poly	235,00 W
0929	Premium L poly	240,00 W
0934	Premium L poly (QK2)	205,00 W
0935	Premium L poly (QK2)	225,00 W

1220	Premium L mono	215,00 W
1221	Premium L mono	220,00 W
1222	Premium L mono	225,00 W
1223	Premium L mono	230,00 W
1224	Premium L mono	235,00 W
1225	Premium L mono	240,00 W
1226	Premium L mono	245,00 W
1227	Premium L mono 245S	245,00 W
1231	Premium L mono (QK2)	220,00 W
1232	Premium L mono (QK2)	235,00 W

1480	Premium XM mono black	180,00 W
1481	Premium XM mono black	185,00 W
1482	Premium XM mono black	187,50 W
1483	Premium XM mono black	190,00 W
1484	Premium XM mono black	195,00 W
1485	Premium XM mono black	200,00 W
1486	Premium XM mono black	205,00 W
1487	Premium XM mono black	195,00 W



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1491	Premium XM mono black (QK2)	185,00 W
1492	Premium XM mono black (QK2)	200,00 W
1580	Premium XM mono black	180,00 W
1581	Premium XM mono black	185,00 W
1582	Premium XM mono black	187,50 W
1583	Premium XM mono black	190,00 W
1584	Premium XM mono black	195,00 W
1585	Premium XM mono black	200,00 W
1586	Premium XM mono black	205,00 W
1591	Premium XM mono black (QK2)	185,00 W
1592	Premium XM mono black (QK2)	200,00 W

1660	Premium XM mono	180,00 W
1661	Premium XM mono	185,00 W
1662	Premium XM mono	187,50 W
1663	Premium XM mono	190,00 W
1664	Premium XM mono	195,00 W
1665	Premium XM mono	200,00 W
1666	Premium XM mono	205,00 W
1671	Premium XM mono (QK2)	185,00 W
1672	Premium XM mono (QK2)	200,00 W

The above listed identification/ serial numbers are recognized at VDE for Solar-Fabrik modules, manufactured in the factory location mentioned above.

These factory is under continuous surveillance according to the Harmonized Factory Inspection Procedure. Each Module is completely assembled in the factory, listed above. According to the certification procedures of the VDE Testing and Certification Institute the movement of semi-finished modules between factories is not permitted in general.

Therefore the above mentioned module types, produced in this factory, are in compliance with the requirements of the "TECHNICAL RULE AND GUIDELINE OF GSE 07/2011".

VDE Testing and Certification Institute
Department New Technologies (NT)
Photovoltaics, Modules & Systems

i. A.
Offenbach, 2011-10-14



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