



ZERTIFIKAT CERTIFICATE

für die überwachte Fertigungsstätte
for the approved Place of Manufacture

SolarWorld US
25300 NW Evergreen Rd
Hillsboro, OR 97124, USA
Fertigungsstätten Nr. /Factory No.: 30020728

Die Überwachung der Fertigungsstätte erfolgte nach dem europäischen Werksinspektions-Verfahren auf Basis der folgenden Schriftstücke: / *The 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:

2011-07-11

Produktkategorie: 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*: 2011-12-01

Merianstrasse 28, 63069 Offenbach, Deutschland / *Germany*
Telefon / *Phone*: +49 69 83 06-0, Telefax / *fax*: +49 69 83 06-555

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

VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute

Anhang zum Fertigungsstättenzertifikat
Appendix to Factory Inspection Certificate
3020728

Name und Sitz der Fertigungsstätte / *Name and registered seat of the place of manufacture*
SolarWorld US, 25300 NW Evregreen Rd, Hillsboro, OR 97124, USA

Datum / *Date* Seite / *Page*
2011-12-01 1

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.

Datum der letzten Inspektion / *Date of last inspection:*
2011-07-17

Produkt-Kategorie:

Terrestrische kristalline
Silizium-PV-Module

Product Category:

*Crystalline silicone
terrestrial PV-Modules*

Kunde / *Client:* SolarWorld

Typ(en) / *type(s)*

Sunmodule Plus SW xxx poly

Weitere Informationen siehe Anhang Seite 2 und 3 / *further information see Appendix page 2 and 3.*



VDE Prüf- und Zertifizierungsinstitut GmbH

VDE Testing and Certification Institute

Appendix to Factory Inspection Certificate

3020728

Date
2011-12-01

Page
2

VDE ID. No. License Holder	Name	Address
5005440	SolarWorld AG	Martin-Luther-King-Str. 24, 53175 Bonn

Product Crystalline silicone terrestrial PV-Modules

License No.	Standard(s)
40016336	IEC 61215 Ed.2, IEC 61730 Ed.1, IEC 61730-2 Ed.1

Type(s)
Sunmodule Plus SW xxx poly

VDE Factory ID. No.	Name	Address
3020728	SolarWorld Industries America	25300 NW Evergreen Rd, Hillsboro, OR 97124, USA

Factory Identification Code

Sequence number SolarWorld Industries America: 19xxxxxxxxxx

Annual Module Production Capacity

SolarWorld Industries America: 250 MWp/a

Process steps in factory	Yes	No
Cells stringing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Assembly / Lamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical tests / Classification	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification / Serial number	Used cell	Annual production volume
GNxxxx	ACT156	
GWxxxx	ACT156	
HTxxxx	ACT156	
MYxxxx	ACT156	
MDxxxx	ACT156	ACT156 in 2011: 129 MWp
HJxxxx	DCT156	DCT156 in 2011: 8 MWp

VDE Prüf- und Zertifizierungsinstitut GmbH

VDE Testing and Certification Institute

The above listed Identification/Serial numbers are recognized at VDE for SolarWorld Modules, produced in the factory location mentioned above with following cells:

Appendix to Factory Inspection Certificate

3020728

Date
2011-12-14

Page
3

Celltype	Manufacturer	Manufacturer of Wafer
ACT156	SolarWorld US, 25300 NW Evergreen Rd, Hillsboro, OR 97124, USA	Deutsche Solar GmbH, Berthelsdorfer Straße 111a, 09599 Freiberg, Germany
DCT156	Deutsche Cell GmbH, Berthelsdorfer Straße 111a, 09599 Freiberg, Germany	Deutsche Solar GmbH, Berthelsdorfer Straße 111a, 09599 Freiberg, Germany

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

Therefore the above mentioned module types, produced in this factory, are in compliance with the requirements of the "TECHNICAL RULE AND GUIDELINE OF GSE 07/12/2011".

Origin of components have been verified by VDE.

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



i. A. A. Roth
Offenbach, 2011-12-01

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

Managing Director
Dipl.-Ing./Dipl.-Kfm. Wilfried Jäger
Merianstrasse 28
D-63069 Offenbach
Phone: +49 (0) 69 83 06-0
Fax: +49 (0) 69 83 06-555
E-mail: vde-institut@vde.com
http://www.vde.com

Venue:
Offenbach/Main
HRB 43618
VAT-IDNo.: DE261922990
Tax No.: 04425092566

Make Payments to
Commerzbank AG
BLZ 500 800 00
Account-No.: 198 027 000
S.W.I.F.T.-Code:
DRES DE FF XXX
IBAN
DE 9150080000198027000

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 – IECEE/CB, IECQ and CENELEC – European committee for Electrotechnical Standardization – CCA, HAR, ENEC.