

# Certificate

Registration No.: PV 60035433

Page 1

Report No.: 21160666.001

**License Holder:**  
**Schott Solar AG**  
Hattenbergstraße 1  
55122 Mainz  
Germany

**Product:**  
PV Module  
**Type:**  
Schott ASI™ X  
(X = 90 - 110 W)

**Manufacturing Plant:**  
Schott Solar Thin Film GmbH  
Otto-Schott-Straße 13  
07745 Jena  
Germany

**Basis:**

**IEC 61730-1:2004**  
**IEC 61730-2:2004**  
**EN 61730-1:2007**  
**EN 61730-2:2007**  
"Photovoltaic (PV) module safety qualification"

**Factory Inspection**  
To document the consistent quality of the product factory inspections are performed periodically.



- Qualified, IEC 61646
- Safety tested, IEC 61730
- Periodic Inspection

**Remarks:**

- IEC EN 61730 consists of part 1 ( Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II ). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 21214955.

**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.

**The certificate is valid until 9 November 2015.**



Cologne, 10 November 2010

Dipl.-Ing. M. Adrian

# Certificate

Registration No.: PV 60035432

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Report No.: 21160665.001

**License Holder:**  
**Schott Solar AG**  
Hattenbergstraße 1  
55122 Mainz  
Germany

**Product:**  
PV Module  
**Type:**  
Schott ASI™ X  
(X = 90 - 110 W)

**Manufacturing Plant:**  
Schott Solar Thin Film GmbH  
Otto-Schott-Straße 13  
07745 Jena  
Germany

**Basis:**

**IEC 61646: 2008**  
**EN 61646: 2008**  
"Thin-film terrestrial photovoltaic (PV)  
modules - Design qualification and type  
approval"

**Factory Inspection**  
To document the consistent quality of  
the product factory inspections are  
performed periodically.



- Qualified, IEC 61646
- Periodic Inspection

**Remarks:**  
The details of the factory inspection are documented in report no. 21214955.

**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.  
**The certificate has a validity of 5 years counting from date of issue.**



Cologne, 10 November 2010

Dipl.-Ing. M. Adrian

# EG-Konformitätserklärung EC Declaration of Conformity

Wir / We

**SCHOTT Solar Thin Film GmbH  
Otto-Schott-Strasse 13  
D-07745 Jena**

erklären, dass das nachstehende Produkt  
declare that the following product

Solarmodul solar module	erstmalige CE-Kennzeichnung initial CE marking
<b>SCHOTT ASI™ XXX</b>	<b>2007</b>

XXX steht für Leistungswerte bis 110 Wp  
XXX means values up to 110 Wp

hergestellt von  
produced by

**SCHOTT Solar Thin Film GmbH, 07745 Jena, Germany**

die Bestimmungen der Richtlinie 2006/95/EG erfüllt.  
are in compliance with the directive 2006/95/EC.

Das Produkt entspricht der unten aufgeführten Norm in beiden Teilen:  
The product meets the requirements of the following standards:

## **DIN EN 61730-1:2007-10**

Photovoltaik (PV)-Module – Sicherheitsqualifikation – Teil 1: Anforderungen an den Aufbau,  
Photovoltaic (PV) module – Security qualification – part 1: installation requirements,

## **VDE 0126-30-1**

deutsche Fassung der EN 61730 – 1:2007 (IEC 61730 – 1:2004, modified)  
German version of EN 61730 – 1:2007 (IEC 61730 – 1:2004, modified)

und / and

## **DIN EN 61730-2:2007-10**

Photovoltaik (PV)-Module – Sicherheitsqualifikation – Teil 2: Anforderungen an die Prüfung,  
Photovoltaic (PV) module – Security qualification – part 2: control requirements,

## **VDE 0126-30-2**

deutsche Fassung der EN 61730 – 2:2007 (IEC 61730-2:2004, modified)  
German version of EN 61730 – 1:2007 (IEC 61730-2:2004, modified).

Jena, den 10.06.2009  
Jena, 2009-06-10

Ort/Datum  
Place/Date

Dr. Robert Kuba,  
Geschäftsführer

Name, Funktion  
Name, Function



Unterschrift  
Signature

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, ist jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der Produktdokumentation sind zu beachten.

This declaration certifies the conformity to the specified directives but not includes any warranted quality of the modules. The safety documentation of the product shall be considered in detail.

Prod-Cert-L02-0002-ALZ-V.2

**SCHOTT**  
solar

# Ursprungserklärung Declaration of origin

Wir / We

**SCHOTT Solar AG  
Hattenbergstrasse 10  
D-55122 Mainz**

erklären, dass das nachstehende Produkt  
declare that the following product

**SCHOTT ASI™ XXX**

XXX steht für Leistungsklassen von 78 Wp bis 110 Wp  
XXX stands for power classes from 78 Wp up to 110 Wp

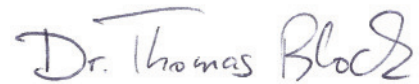
ausschließlich hergestellt wird von der  
is and will only be produced by

**SCHOTT Solar Thin Film GmbH  
Otto-Schott-Strasse 13  
D 07745 Jena**



i.V. Uwe Flieder,  
Director Module Development

Name, Funktion  
Name, Function



i.V. Dr. Thomas Block,  
Product Manager

Name, Funktion  
Name, Function

SCHOTT Solar AG  
Mainz, den 22.10.2009  
Mainz, 2009-10-22

**SCHOTT**  
solar