

# Factory Inspection Certificate

Registration No.: AK 60081649

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Report No.: 21173832.002

**License Holder:**

**REC Solar AS**

Kjørboveien 29, PO Box 594  
1302 Sandvika  
Norway

**Product:**

**PV Module**

Type:

REC Peak Energy Series  
RECxxxPE (xxx = 205-285 in steps of 5, 60 cells)

REC Peak Energy (BLK) Series  
RECxxxPE BLK (xxx = 205-285 in steps of 5, 60 cells)

REC Peak Energy Integrated Series  
RECxxxPEI (xxx = 205-285 in steps of 5, 60 cells)

REC Peak Energy Eco Series  
RECxxxPE Eco(xxx = 205-285 in steps of 5, 60 cells)

REC Peak Energy Plus Series  
RECxxxPE Plus (xxx = 205-285 in steps of 5, 60 cells)

**Manufacturing Plant:**

**REC Modules**

20 Tuas South Avenue 14  
637312 Singapore  
Singapore

The manufacturing plant is under a periodic factory surveillance programme in the frame of TÜV Rheinland type approval certification according to IEC 61215:2005 and IEC 61730:2004.

These main production steps are taking place in the above listed plant:

- Cell stringing and connection of strings
- Assembly / Lamination
- Electrical tests

Remarks:

Further information can be found in the attachment of the factory inspection certificate.

Certification body



Cologne, 30 November 2012

Dipl.-Ing. M. Adrian

## Annex to Factory Inspection Certificate

Registration No.: AK 60081649

Report No.: 21173832.002

**Licence Holder:** REC Solar AS  
Kjorboveien 29, PO Box 594  
1302 Sandvika  
Norway

**Manufacturing Plant:** REC Modules  
20 Tuas South Avenue 14  
637312 Singapore  
Singapore

The details of the factory inspection are documented in report no. mentioned above.

**Certificates:** Registration no.  
PV 60077767, PV 60077768 (valid until 19 July 2012)

The above listed plant is traceable by an identification code on the type label.

### Explanation of Identification code:

**Example 1: XYZ-1234567890 (13 digits) – modules produced in Singapore, SingModules**

**Example 2: XYZ-12345678901 (14 digits) – modules produced in China, Jiawei**

**Digit 1** = code for wafer factory  
Letter B: Singapore  
Letter C: REC Scanwafer, Heróya  
Letter D: REC Scanwafer, Glomfjord  
Letter F: CM Wafer, China

**Digit 2** = code for cell factory  
Letter B: Singapore  
Letter C: if Digit 1 starts with C or D, cell was manufactured in Narvik.  
Letter C: Other than above, cell was manufactured in Taiwan  
Letter D: to be specified

**Digit 3** = code for module factory  
**Letter B: Singapore**  
Letter C: Jiawei, China

Digit 4 – 13/14 = ongoing number

Cologne, 30 November 2012



Dipl.-Ing. M. Adrian

## Annex of Factory Inspection Certificate [Rev4]

Registration No.: AK 60040958

Report No.: 21173832.001

**Licence Holder:** REC Solar AS  
Kjorboveien 29, PO Box 594  
1302 Sandvika  
Norway

**Manufacturing Plant**  
**PV modules:** REC Modules  
20 Tuas South Avenue 14  
637312 Singapore  
Singapore

The details of the factory inspection are documented in report no. mentioned above.

**Certificates:** Registration no.  
PV 60029665, PV 60029666 (valid until 06 April 2015)

The above listed plants are listed on the type labels by reference to an identification code.

### 1<sup>st</sup> Explanation of PV module Identification code:

**Example: ABC-1234567890** (13 digits)

Digit 1 = code for wafer factory  
Letter B: Singapore  
Letter C: Heróya  
Letter D: Glomfjord

Digit 2 = code for cell factory  
Letter B: Singapore  
**Letter C: Narvik**  
Letter D: further plant (not yet existing)

Digit 3 = code for module factory  
Letter B: Singapore  
Letter C: Jiawei China  
Letter D: further plant (not yet existing)

Digit 4 - 13 = ongoing number

**Manufacturing Plant**  
**Cell component / wafer :** REC Wafer Norway AS  
(EU/EEA component) Fjordgata 48  
3936 Porsgrunn  
Norway

The details of the factory inspection are documented in report no. 21179233.001

**Manufacturing Plant**  
**Cell component / cells :** REC Cells Pye. Ltd.  
(EU/EEA component) 20 Tuas South Avenue 14  
637312 Singapore  
Singapore

Indication of annual volumes exchanged between production site of components and the production site of the modules:

[A] EU/EEA component:

**REC Wafer Norway AS**

Manufacturing Plant Cell component / **wafer**

Volumes exchanged from [A] to [B]: 13.154.000 Pcs/2011

[B] EU/EEA component:

**REC Cells Pte. Ltd.**

Manufacturing Plant Cell component / **cell**

Volumes exchanged from [B] to [C]: 157,6 MWp/2011

[C] Manufacturing Plant **PV modules**:

Annual production capacity: 590 MWp/a

EU/EEA Volumes produced at [C]:

157,6 MWp/2011

Indication if non-EU/EEA component is applied:

YES  
(see 1<sup>st</sup> 'Explanation of PV module Identification code' above)

**2<sup>nd</sup> Explanation of PV module Identification code:**

**Example: 12-2000856161** (12 digits)

Digit 1 = code for cell factory  
Letter 1: Narvik, Norway  
Letter 2: Singapore

Digit 2 = code for module factory  
Letter 1: Jiawei, China  
Letter 2: Singapore

Digit 3 - 12 = ongoing number

**Manufacturing Plant**

**Cell component / cells:**  
(EU/EEA component)

REC ScanCell AS  
Teknologiveien 10  
PO Box 813, NO-8512 Narvik  
Norway

The details of the factory inspection are documented in report no. 21179234.001

Indication of annual volumes exchanged between production site of components and the production site of the modules:

[A] EU/EEA component:

**REC ScanCell AS**

Manufacturing Plant Cell component / **cells**

Volumes exchanged from [A] to [B]:

3.561.480 Pcs/2011

[B] Manufacturing Plant **PV modules**:

Annual production capacity:

125 MWp/a

[A] EU/EEA Volumes produced at [B]:

13.9 MWp/2011

Indication if non-EU/EEA component is applied:

YES

(see 2<sup>nd</sup> 'Explanation of PV module Identification code' above)

Certification body



Cologne, 30 November 2012

Dipl.-Ing. M. Adrian