

# Certificate

Registration No.: PV 50303551

Page 1

Report No.: 50020270-001

**License Holder:**

**Solar Frontier K. K.**  
Daiba Frontier Bldg. 2-3-2 Daiba  
Minato-ku, Tokyo  
135-8074, Japan

**Product:**

PV Module

**Type:**

SCxx-EX-A, SFxx-EX-A (xx=70, 75, 80, 85, 90)  
SCxxH-EX-A, SFxxH-EX-A (xx=77, 82, 87, 92)  
SCxx-EX-B, SFxx-EX-B (xx=70, 75, 80, 85, 90)  
SCxxH-EX-B, SFxxH-EX-B (xx=77, 82, 87, 92)  
SFLxx-D (xx = 85, 90, 95, 100)  
SFLxx-E (xx = 85, 90)  
SFLxxH-D (xx = 87, 92, 97)  
SFLxxH-E (xx = 87, 92)  
SFLxx-F (xx = 85, 90)  
SFLxxH-F (xx = 87)

**Manufacturing Plant:**

**Solar Frontier K. K.**  
Miyazaki Plant 2  
789-20 Kanou hei, Kiyotake-cho  
Miyazaki-shi, Miyazaki  
889-1605 Japan

**Basis:**

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



www.tuv.com  
ID 0000023497

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

**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 above listed PV modules fulfil the requirement of fire rating class C.

**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.**



**Certification body**



Hideo Naomoto

Yokohama, 09 February 2015

TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan

# Certificate

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Page 2

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**License Holder:**

**Solar Frontier K. K.**  
Daiba Frontier Bldg. 2-3-2 Daiba  
Minato-ku, Tokyo  
135-8074, Japan

**Product:**

PV Module  
Type:  
SFxxx-L (xxx=130-160 in 5W steps)  
SFxxx-R (xxx=130-165 in 5W steps)  
SFxxx-S (xxx=130-175 in 5W steps)  
SFxxx-T (xxx=130-175 in 5W steps)  
SFxxx-W (xxx=130-175 in 5W steps)

**Manufacturing Plant:**

**Solar Frontier K. K.**  
Kunitomi Plant  
1815 Tajiri, Kunitomi-cho  
Higashimorokata-gun Miyazaki  
880-1104 Japan

**Basis:**

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



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**Remarks:**

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- 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 above listed PV modules fulfil the requirement of fire rating class C.

**Conditions:**

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**Certification body**



Hideo Naomoto

Yokohama, 09 February 2015

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