

# Certificate



Registration No.: PV 60101998

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Report No.: 21222257.002

**License Holder:**

**Vikram Solar Private Limited**

Tobacco House, 1 Old Court House Corner  
Kolkata 700001  
India

**Product:**

PV Modules

**Type:**

with 6" poly-crystalline cells:

ELDORA VSP.72.AAA.03 with 275 - 335 Wp, 72 cells  
ELDORA VSP.60.AAA.03 with 228 - 279 Wp, 60 cells  
ELDORA VSP.54.AAA.03 with 205 - 250 Wp, 54 cells  
ELDORA VSP.48.AAA.03 with 182 - 223 Wp, 48 cells  
ELDORA VSP.36.AAA.03 with 137 - 168 Wp, 36 cells

ELDORA VSPB.72.AAA.03 with 275 - 335 Wp, 72 cells  
ELDORA VSPB.60.AAA.03 with 228 - 279 Wp, 60 cells  
ELDORA VSPB.54.AAA.03 with 205 - 250 Wp, 54 cells  
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ELDORA VSPBB.60.AAA.03 with 228 - 279 Wp, 60 cells  
ELDORA VSPBB.54.AAA.03 with 205 - 250 Wp, 54 cells  
ELDORA VSPBB.48.AAA.03 with 182 - 223 Wp, 48 cells  
ELDORA VSPBB.36.AAA.03 with 137 - 168 Wp, 36 cells

**Manufacturing plant:**

Vikram Solar Private Limited  
Special Economic Zone, Sector 2, Falta  
24 Parganas (South)  
West Bengal - 743504  
India

**Basis:**

**IEC 62716:2013**  
"Ammonia corrosion testing of  
photovoltaic (PV) modules"

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



www.tuv.com  
ID 0000044669

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate acc. to IEC EN 61215, IEC EN 61730 and  
**only** for the material combination as listed in the above mentioned test report.

**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. Accordingly the repetition of the tests that are basis of this certificate may be required.

**The certificate is valid until 27 January 2020.**

**Certification body**



Cologne, 28 May 2015

Dipl.-Ing. M. Adrian

# Certificate

Registration No.: PV 60101998

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Report No.: 21222257.003

**License Holder:**

**Vikram Solar Private Limited**

Tobacco House, 1 Old Court House Corner  
Kolkata 700001  
India

**Product:**

PV Modules

**Type:**

with 6" poly - crystalline cells

ELDORA VSP.72.AAA.04 with 300-365 Wp, 72 cells

ELDORA VSP.60.AAA.04 with 250-305 Wp, 60 cells

ELDORA VSP.54.AAA.04 with 225-275 Wp, 54 cells

ELDORA VSP.48.AAA.04 with 200-245 Wp, 48 cells

ELDORA VSP.36.AAA.04 with 150-185 Wp, 36 cells

**Manufacturing plant:**

Vikram Solar Private Limited  
Special Economic Zone, Sector 2, Falta  
24 Parganas (South)  
West Bengal - 743504  
India

ELDORA VSPB.72.AAA.04 with 300-365 Wp, 72 cells

ELDORA VSPB.60.AAA.04 with 250-305 Wp, 60 cells

ELDORA VSPB.54.AAA.04 with 225-275 Wp, 54 cells

ELDORA VSPB.48.AAA.04 with 200-245 Wp, 48 cells

ELDORA VSPB.36.AAA.04 with 150-185 Wp, 36 cells

(AAA represent output power in Wp)

**Basis:**



**IEC 62716:2013**

"Ammonia corrosion testing of photovoltaic (PV) modules"



**Factory Inspection**

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



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ID 0000044669

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate acc. to IEC EN 61215, IEC EN 61730 and **only** for the material combination as listed in the above mentioned test report.
- Extension to new module types, and to additional manufacturing plant (see Attachment List of Factories).
- 'AAA' of the PV module type designation is used as placeholder for the module output power, valid for page 1 to 2.

**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 27 January 2020.**

Cologne, 17 December 2015

Certification body



Dipl.-Ing. M. Adrian

## Attachment List of Factories

### PV 60101998 0002

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- |    |   |    |  |
|----|---|----|--|
| 1. | Vikram Solar Private Limited<br>Special Economic Zone, Sector 2<br>Falta 24 Parganas (South)<br>West Bengal - 743504<br>India | 2. | Vikram Solar Private Limited<br>FAB-II Special Economic Zone, Sector 2<br>Falta 24 Parganas (South)<br>West Bengal - 743504<br>India |
|----|---|----|--|

Certification body



Cologne, 17 December 2015

Dipl.-Ing. M. Adrian

# Certificate



Registration No.: PV 60101998

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Report No.: 2122257.005

**License Holder:**

**Vikram Solar Private Limited**

Tobacco House, 1 Old Court House Corner  
Kolkata 700001  
India

**Product:**

PV Modules

**Type:**

with 6" poly - crystalline cells

ELDORA VSP.72.AAA.03.04 (AAA = 285-350 in steps of 1, 72 cells)

ELDORA VSP.60.AAA.03.04 (AAA = 235-290 in steps of 1, 60 cells)

ELDORA VSP.54.AAA.03.04 (AAA = 215-265 in steps of 1, 54 cells)

ELDORA VSP.48.AAA.03.04 (AAA = 190-235 in steps of 1, 48 cells)

ELDORA VSP.36.AAA.03.04 (AAA = 145-175 in steps of 1, 36 cells)

**Manufacturing plant:**

Vikram Solar Private Limited  
Special Economic Zone, Sector 2, Falta  
24 Parganas (South)  
West Bengal - 743504  
India

ELDORA VSPB.72.AAA.03.04 (AAA = 285-350 in steps of 1, 72 cells)

ELDORA VSPB.60.AAA.03.04 (AAA = 235-290 in steps of 1, 60 cells)

ELDORA VSPB.54.AAA.03.04 (AAA = 215-265 in steps of 1, 54 cells)

ELDORA VSPB.48.AAA.03.04 (AAA = 190-235 in steps of 1, 48 cells)

ELDORA VSPB.36.AAA.03.04 (AAA = 145-175 in steps of 1, 36 cells)

ELDORA VSPBB.60.AAA.03.04 (AAA = 235-290 in steps of 1, 60 cells)

ELDORA VSPBB.54.AAA.03.04 (AAA = 215-265 in steps of 1, 54 cells)

ELDORA VSPBB.48.AAA.03.04 (AAA = 190-235 in steps of 1, 48 cells)

ELDORA VSPBB.36.AAA.03.04 (AAA = 145-175 in steps of 1, 36 cells)

AAA represents output power in Wp

**Basis:**



**IEC 62716:2013**

"Ammonia corrosion testing of photovoltaic (PV) modules"



**Factory inspection**

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



www.tuv.com  
ID 0000044669

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate acc. to IEC EN 61215, IEC EN 61730 and **only** for the material combination as listed in the above mentioned test report.
- Extension to new module types.

**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 27 January 2020.**

**Certification body**



Cologne, 11 January 2017

Dipl.-Ing. M. Adrian