

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

Blatt *Page*
0001

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*
0001--21221521 008

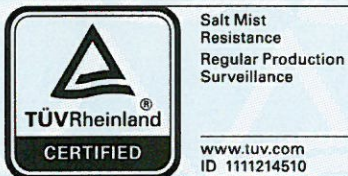
Ausstellungsdatum
13.12.2017

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*
Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 61701:2011
EN 61701:2012

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

PV-Module

Type: with 6" poly cells:

ELDORA VSP.72.AAA.05 (AAA=285-350) with 72 cells
ELDORA VSP.60.AAA.05 (AAA=240-293) with 60 cells
ELDORA VSP.54.AAA.05 (AAA=215-265) with 54 cells
ELDORA VSP.48.AAA.05 (AAA=190-235) with 48 cells
ELDORA VSP.36.AAA.05 (AAA=140-175) with 36 cells
ELDORA VSPB.72.AAA.05 (AAA=285-350) with 72 cells
ELDORA VSPB.60.AAA.05 (AAA=240-293) with 60 cells
ELDORA VSPB.54.AAA.05 (AAA=215-265) with 54 cells
ELDORA VSPB.48.AAA.05 (AAA=190-235) with 48 cells
ELDORA VSPB.36.AAA.05 (AAA=140-175) with 36 cells
ELDORA VSP.72.AAA.03.04 (AAA=285-350) with 72 cells
ELDORA VSP.60.AAA.03.04 (AAA=235-290) with 60 cells
ELDORA VSP.54.AAA.03.04 (AAA=215-265) with 54 cells
ELDORA VSP.48.AAA.03.04 (AAA=190-235) with 48 cells
ELDORA VSP.36.AAA.03.04 (AAA=145-175) with 36 cells
ELDORA VSPB.72.AAA.03.04 (AAA=285-350) with 72 cells
ELDORA VSPB.60.AAA.03.04 (AAA=235-290) with 60 cells
ELDORA VSPB.54.AAA.03.04 (AAA=215-265) with 54 cells
ELDORA VSPB.48.AAA.03.04 (AAA=190-235) with 48 cells
ELDORA VSPB.36.AAA.03.04 (AAA=145-175) with 36 cells

AAA represent output power in Wp

refer to remarks on page 6

continued on page 2

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. M. Adrian

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

Blatt *Page*
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>(day/mo/yr)</i>
	0001--21221521 008	13.12.2017	

Genehmigungsinhaber *License Holder*
Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*
Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 61701:2011
EN 61701:2012

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Module

Type: with 6" poly cells:

ELDORA VSPBB.60.AAA.03.04 (AAA=235-290) with 60 cells
ELDORA VSPBB.54.AAA.03.04 (AAA=215-265) with 54 cells
ELDORA VSPBB.48.AAA.03.04 (AAA=190-235) with 48 cells
ELDORA VSPBB.36.AAA.03.04 (AAA=145-175) with 36 cells
ELDORA VSP.72.AAA.03 (AAA=275-335) with 72 cells
ELDORA VSP.60.AAA.03 (AAA=228-279) with 60 cells
ELDORA VSP.54.AAA.03 (AAA=205-250) with 54 cells
ELDORA VSP.48.AAA.03 (AAA=182-223) with 48 cells
ELDORA VSP.36.AAA.03 (AAA=137-168) with 36 cells
ELDORA VSPB.72.AAA.03 (AAA=275-335) with 72 cells
ELDORA VSPB.60.AAA.03 (AAA=228-279) with 60 cells
ELDORA VSPB.54.AAA.03 (AAA=205-250) with 54 cells
ELDORA VSPB.48.AAA.03 (AAA=182-223) with 48 cells
ELDORA VSPB.36.AAA.03 (AAA=137-168) with 36 cells
ELDORA VSPBB.60.AAA.03 (AAA=228-279) with 60 cells
ELDORA VSPBB.54.AAA.03 (AAA=205-250) with 54 cells
ELDORA VSPBB.48.AAA.03 (AAA=182-223) with 48 cells
ELDORA VSPBB.36.AAA.03 (AAA=137-168) with 36 cells
AAA represent output power in Wp

refer to remarks on page 6

continued on page 3

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle

Zertifizierungsstelle
Dipl.-Ing. M. Adrian

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

Blatt *Page*
0003

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

Date of Issue

0001--21221521 008

13.12.2017

(day/mo/yr)

Genehmigungsinhaber *License Holder*

Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*

Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*



Salt Mist
Resistance
Regular Production
Surveillance

www.tuv.com
ID 1111214510

Geprüft nach *Tested acc. to*

IEC 61701:2011

EN 61701:2012

Zertifiziertes Produkt (Geräteidentifikation)

Certified Product (Product Identification)

Lizenzentgelte - Einheit

License Fee - Unit

PV-Module

Type: with 6" poly cells:

ELDORA VSP.72.AAA.04 (AAA=300-365) with 72 cells
ELDORA VSP.60.AAA.04 (AAA=250-305) with 60 cells
ELDORA VSP.54.AAA.04 (AAA=225-275) with 54 cells
ELDORA VSP.48.AAA.04 (AAA=200-245) with 48 cells
ELDORA VSP.36.AAA.04 (AAA=150-185) with 36 cells
ELDORA VSPB.72.AAA.04 (AAA=300-365) with 72 cells
ELDORA VSPB.60.AAA.04 (AAA=250-305) with 60 cells
ELDORA VSPB.54.AAA.04 (AAA=225-275) with 54 cells
ELDORA VSPB.48.AAA.04 (AAA=200-245) with 48 cells
ELDORA VSPB.36.AAA.04 (AAA=150-185) with 36 cells

AAA represent output power in Wp

refer to remarks on page 6

continued on page 4

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com

Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. M. Adrian

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

Blatt *Page*
0004

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

Date of Issue

0001--21221521 008

13.12.2017

(day/mo/yr)

Genehmigungsinhaber *License Holder*

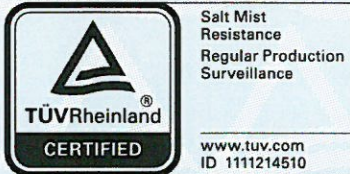
Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*

Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*



IEC 61701:2011
EN 61701:2012

Zertifiziertes Produkt (Geräteidentifikation)

Certified Product (Product Identification)

Lizenzentgelte - Einheit

License Fee - Unit

PV-Module

Type: with poly cut cells:

ELDORA 290P with 255-310 Wp, 72 cells
ELDORA 270P with 225-275 Wp, 72 cells
ELDORA 260P with 225-270 Wp, 72 cells
ELDORA 240P with 220-265 Wp, 72 cells
ELDORA 200P with 190-235 Wp, 72 cells
ELDORA 180P with 170-210 Wp, 72 cells
ELDORA 160P with 135-165 Wp, 72 cells
ELDORA 130P with 120-145 Wp, 72 cells
ELDORA 130P with 120-145 Wp, 36 cells
ELDORA 120P with 120-130 Wp, 72 cells
ELDORA 120P with 120-130 Wp, 36 cells

Type: with 6" mono cells:

SOMERA VSM.72.AAA.05 (AAA=310-380) with 72 cells
SOMERA VSM.60.AAA.05 (AAA=260-315) with 60 cells
SOMERA VSM.54.AAA.05 (AAA=235-285) with 54 cells
SOMERA VSM.48.AAA.05 (AAA=210-255) with 48 cells
SOMERA VSM.36.AAA.05 (AAA=155-190) with 36 cells

refer to remarks on page 6

continued on page 5

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com

Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. M. Adrian

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

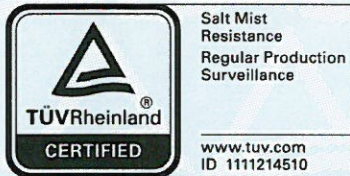
Blatt *Page*
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>Date of Issue</i>
	0001--21221521 008	13.12.2017	(day/mo/yr)

Genehmigungsinhaber *License Holder*
Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*
Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 61701:2011
EN 61701:2012

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Module

Type: with 6" mono cells:

SOMERA VSMB.72.AAA.05 (AAA=310-380) with 72 cells
SOMERA VSMB.60.AAA.05 (AAA=260-315) with 60 cells
SOMERA VSMB.54.AAA.05 (AAA=235-285) with 54 cells
SOMERA VSMB.48.AAA.05 (AAA=210-255) with 48 cells
SOMERA VSMB.36.AAA.05 (AAA=155-190) with 36 cells
SOMERA VSM.72.AAA.03.04 (AAA=310-380) with 72 cells
SOMERA VSM.60.AAA.03.04 (AAA=260-315) with 60 cells
SOMERA VSM.54.AAA.03.04 (AAA=235-285) with 54 cells
SOMERA VSM.48.AAA.03.04 (AAA=210-255) with 48 cells
SOMERA VSM.36.AAA.03.04 (AAA=155-190) with 36 cells
SOMERA VSMB.72.AAA.03.04 (AAA=310-380) with 72 cells
SOMERA VSMB.60.AAA.03.04 (AAA=260-315) with 60 cells
SOMERA VSMB.54.AAA.03.04 (AAA=235-285) with 54 cells
SOMERA VSMB.48.AAA.03.04 (AAA=210-255) with 48 cells
SOMERA VSMB.36.AAA.03.04 (AAA=155-190) with 36 cells
SOMERA VSMBB.60.AAA.03.04 (AAA=260-315) with 60 cells
SOMERA VSMBB.54.AAA.03.04 (AAA=235-285) with 54 cells
SOMERA VSMBB.48.AAA.03.04 (AAA=210-255) with 48 cells
SOMERA VSMBB.36.AAA.03.04 (AAA=155-190) with 36 cells

AAA represent output power in Wp

refer to remarks on page 6

continued on page 6

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Dipl.-Ing. M. Adrian

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 60125374

Blatt *Page*
0006

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>(day/mo/yr)</i>
	0001--21221521 008	13.12.2017	

Genehmigungsinhaber *License Holder*
Vikram Solar Limited
The Chambers, 8th Floor
1865, Rajdanga Main Road
Kolkata 700107
India

Fertigungsstätte *Manufacturing Plant*
Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 61701:2011
EN 61701:2012

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Module

Remarks:

- Valid in conjunction with TÜV Rheinland certificate acc. to IEC 61215, IEC 61730, and only for the material combination as listed in the above mentioned test report.
- Type designations ELDORA and SOMERA with suffix '.05' represent modules for 1500 VDC max. system voltage.
- Test performed with severity 6 of 6.

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.

ANLAGE (Appendix): List of Factories

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht. This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Adrian
Dipl.-Ing. M. Adrian

**Anlage Fertigungsstättenliste
/Attachment List of Factories**

PV 60125374 0006

1. Vikram Solar Ltd.
Special Economic Zone
Sector II Falta, 24 Parganas (South)
West Bengal 743504
India

2. Vikram Solar Ltd.
FAB-II Special Economic Zone
Falta 24 Parganas (South)
West Bengal 743504
India



Zertifizierungsstelle
/ Certification Body



Datum / Date 13.12.2017

Adrian
Dipl.-Ing. M. Adrian

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg