

**C E R T I F I C A T E**  
of Conformity



Registration No.: AK 50415508 0001

Report No.: 50132561 003

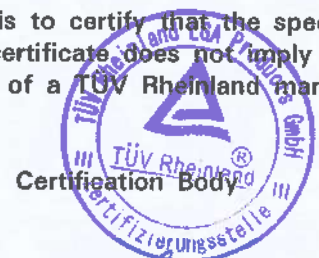
Holder: **POLYCAB WIRES PVT LTD**  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Product: **PV-Inverter**  
(Grid-connected PV Inverter)

Identification: Type Designation : PSIS-3K PSIS-2K PSIS-1.5K PSIS-1K  
Serial Number : Engineering Samples  
Firmware version : V13  
Remark(s) : Refer to report 50132561 003 for details.

Tested acc. to: IEC 61683:1999  
IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2009  
IEC 60068-2-27:2008  
IEC 60068-2-30:2005  
IEC 60068-2-64:2008

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



Date 10.08.2018

  
Weichun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

**C E R T I F I C A T E**  
of Conformity



Registration No.: AK 50415645 0001

Report No.: 50084876 003

Holder: POLYCAB WIRES PVT LTD  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Product: PV-Inverter  
(Grid-connected PV Inverter)

Identification: PSIS-1K PSIS-1.5K PSIS-2K PSIS-3K

Serial No.: n.a.

Remark: Refer to test report 50084876 003 for details.

Tested acc. to: EN 61000-6-2:2005  
EN 61000-6-4:2007+A1  
EN 61000-6-1:2007  
EN 61000-6-3:2007+A1

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



Date 15.08.2018

Weichun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

**C E R T I F I C A T E**  
of Conformity



Registration No.: AK 50415507 0001

Report No.: 50132560 003

Holder: **POLYCAB WIRES PVT LTD**  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Product: **PV-Inverter**  
(Grid-Connected PV Inverter)

Identification: Type Designation : PSIS-3K PSIS-2K PSIS-1.5K PSIS-1K  
Serial Number : Engineering Samples  
Firmware version : V13  
Remark(s) : Refer to report 50132560 003 for details.

Tested acc. to: IEC 61727:2004  
IEC 62116:2014

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



Date 10.08.2018

  
Weichun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

POLYCAB WIRES PVT LTD  
Mr. N.R Khushalani  
VP - Marketing  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Date : 22.08.2018  
Our ref. : QJL 01  
Your ref.: N.R Khushalani

**Ref : AK Certificate of Conformity**

Type of Equipment : Grid-Connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AK 50415507 0001  
Report No. : 50132560 003

Dear Mr. N.R Khushalani,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.* R 50415497  
Blatt *Sheet* 0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
N.R Khushalani	01-QJL-50081618 006	10.08.2018	(day/mo/yr)

Genehmigungsinhaber <i>License Holder</i>	Fertigungsstätte <i>Manufacturing Plant</i>
POLYCAB WIRES PVT LTD 771, Mogul Lane, Mahim(W) Mumbai 400016 India	030-0000616910

### Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung  
[www.tuv.com](http://www.tuv.com)  
ID 1419081192

### Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

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

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

### PV-Wechselrichter (Grid-connected PV Inverter)

Type Designation	: PSIS-3K	PSIS-2K	8
Vmax PV [Vd.c.]	: 600		
MPP Voltage Range [Vd.c.]	: 281-500	187-400	
Isc PV [Ad.c.]	: 17.2		
Max. Input Current [Ad.c.]	: 11		
Overvoltage Category (OVC)	: II for PV		
Rated Output Voltage [Va.c.]	: 230V		
Rated Output Power [W]	: 3000	2000	
Rated Output Frequency [Hz]	: 50/60		
Max. Output Current [Aa.c.]	: 13.6	9.1	
Power Factor	: [-0.80, 0.80]		
Overvoltage Category (OVC)	: III for AC mains		

continued on page 0002

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### ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product 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](mailto:cert-validity@de.tuv.com)  
Fax: +49 221 806-3935 <http://www.tuv.com/safety>



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50415497

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
N.R Khushalani

Unser Zeichen *Our Reference*  
01-QJL-50081618 006

Ausstellungsdatum *Date of Issue*  
10.08.2018 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
POLYCAB WIRES PVT LTD  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Fertigungsstätte *Manufacturing Plant*  
030-0000616910

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1419061182

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

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

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0001 continuation

2

Type Designation	:	PSIS-1.5K	PSIS-1K
Vmax PV [Vd.c.]	:	600	
MPP Voltage Range[Vd.c.]	:	141-400	94-400
Isc PV [Ad.c.]	:	17,2	
Max. Input Current[Ad.c.]	:	11	
Overvoltage Category (OVC)	:	II for PV	
Rated Output Voltage[Va.c.]	:	230V	
Rated Output Power[W]	:	1500	1000
Rated Output Frequency[Hz]	:	50/60	
Max. Output Current[Aa.c.]	:	8.1	5.2
Power Factor	:	[-0.80, 0.80]	
Overvoltage Category (OVC)	:	III for AC mains	

continued on page 0003

2

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product 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



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.* R 50415497  
Blatt *Sheet* 0003

Ihr Zeichen *Client Reference* N.R Khushalani  
Unser Zeichen *Our Reference* 01-QJL-50081618 006  
Ausstellungsdatum *Date of Issue* 10.08.2018  
(day/mo/yr)

Genehmigungsinhaber *License Holder* POLYCAB WIRES PVT LTD  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India  
Fertigungsstätte *Manufacturing Plant* 030-0000616910

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1419061182

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

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

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0002 continuation

Protective Class : Class I  
Ingress Protection (IP) : IP65  
Pollution Degree (PD) : PD 2 (inside), PD 3 (outside)  
Operating Temperature [°C]: -25 to 60 (> 45 derating)  
Altitude [m] : 4000  
Type of Inverter : Non-isolated

### Remark(s) :

The installation has to be carried out according to the attached installation instruction.  
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product 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



Weichun Li

# C E R T I F I C A T E



of Conformity  
Low Voltage Directive 2014/35/EU

Registration No.: AN 50415501 0001

Report No.: 50081618 006

Holder: POLYCAB WIRES PVT LTD  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Product: PV-Inverter  
(Grid-connected PV Inverter)

Identification: Type Designation : PSIS-3K PSIS-2K PSIS-1.5K PSIS-1K  
Serial Number : Engineer Samples  
Remark : Issued in conjunction with TÜV Rheinland  
license R 50415497 0001-0003.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body



Date 10.08.2018

  
Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE



**C E R T I F I C A T E**  
of Conformity



**Registration No.:** AK 50415525 0001

**Report No.:** 50132564 003

**Holder:** POLYCAB WIRES PVT LTD  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

**Product:** PV-Inverter  
(Grid-connected PV Inverter)

**Identification:** Type Designation : PSIS-5K PSIS-4K  
Serial Number : Engineering Samples  
Firmware version : V13  
Remark(s) : Refer to report 50132564 003 for details.

**Tested acc. to:** IEC 61683:1999  
IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2009  
IEC 60068-2-27:2008  
IEC 60068-2-30:2005  
IEC 60068-2-64:2008

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



**Date** 10.08.2018

  
Weichun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**



# Attestation of Conformity

No. E8A 18 06 97335 005

**Holder of Certificate:** POLYCAB WIRES PVT. LTD.

POLYCAB HOUSE, 771  
MOGUL LANE  
MAHIM(W)  
400016 MUMBAI  
INDIA

**Name of Object:** Converter  
Grid-connected photovoltaic inverter

**Model(s):** PSIS-4K, PSIS-5K

**Description of Object:**

Input voltage:	DC 100V~600V
Max. input power:	4.6kW, 5.8kW
Rated output voltage:	AC 230V
Rated frequency:	50Hz
Rated output power:	4kW, 5kW
Protection class:	I

**Tested according to:** EN 61000-6-2:2005  
EN 61000-6-3:2007/A1:2011

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

**Test report no.:** 4812818009500

*Jun Bao*



**Date,** 2018-07-09 (Jun Bao)

**CE** After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. That declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

**C E R T I F I C A T E**  
of Conformity



Registration No.: AK 50415526 0001

Report No.: 50132563 003

Holder: **POLYCAB WIRES PVT LTD**  
771, Mogul Lane, Mahim(W)  
Mumbai 400016  
India

Product: PV-Inverter  
(Grid-Connected PV Inverter)

Identification: Type Designation : PSIS-5K PSIS-4K  
Serial Number : Engineering Samples  
Firmware version : V13  
Remark(s) : Refer to report 50132563 003 for details.

Tested acc. to: IEC 61727:2004  
IEC 62116:2014

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



Date 10.08.2018

  
Weichun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

# CERTIFICATE

No. B 097335 0011 Rev. 00

**Holder of Certificate:** **POLYCAB INDIA LIMITED**  
POLYCAB HOUSE, 771  
MOGUL LANE  
MAHIM(W)  
400016 MUMBAI  
INDIA

**Certification Mark:**



**Product:** **Converter**  
**Grid-Tied Inverter**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** 701261908201-00

**Valid until:** 2024-04-09

**Date,** 2019-08-23   
( Zhengdong Ma )





Product Service

# CERTIFICATE

No. B 097335 0011 Rev. 00

**Model(s):** PSIS-2.5K, PSIS-3K, PSIS-3.6K, PSIS-4K, PSIS-4.6K, PSIS-5K, PSIS-6K.

## Parameters:

Models	PSIS-2.5K	PSIS-3K	PSIS-3.6K	PSIS-4K
<b>PV input ratings:</b>				
Max. input voltage:	d.c. 550 V	d.c. 600 V	d.c. 600 V	d.c. 600 V
MPP voltage range:	d.c. 50 – 450V	d.c. 90 – 520V	d.c. 90 – 520V	d.c. 90 – 520V
Max. input current:	d.c. 2x11A	d.c. 2x11A	d.c. 2x11A	d.c. 2x11A
Isc PV (absolute maximum):	d.c. 2x17.2A	d.c. 2x17.2A	d.c. 2x17.2A	d.c. 2x17.2A
<b>AC output ratings:</b>				
Rated grid voltage:	a.c. 230/240V	a.c. 230/240V	a.c. 230/240V	a.c. 230/240V
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	2500W	3000W	3600W	4000W
Max. AC output active power:	2800W	3300W	4000W	4400W
Max. AC output apparent power:	2800VA	3300VA	4000VA	4400VA
Max. Continuous output current:	a.c. 13.3A	a.c. 15.7A	a.c. 16A	a.c. 21A
Adjustable cos(Φ):	-0.8...1...+0.8	-0.8...1...+0.8	-0.8...1...+0.8	-0.8...1...+0.8

Models	PSIS-4.6K	PSIS-5K	PSIS-6K
<b>PV input ratings:</b>			
Max. input voltage:	d.c. 600 V	d.c. 600 V	d.c. 600 V
MPP voltage range:	d.c. 90 – 520V	d.c. 90 – 520V	d.c. 90 – 520V
Max. input current:	d.c. 2x11A	d.c. 2x11A	d.c. 2x11A
Isc PV (absolute maximum):	d.c. 2x17.2A	d.c. 2x17.2A	d.c. 2x17.2A
<b>AC output ratings:</b>			
Rated grid voltage:	a.c. 230/240V	a.c. 230/240V	a.c. 230/240V
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz
Rated output power:	4600W	5000W	6000W
Max. AC output active power:	5000W	5000W	6000W
Max. AC output apparent power:	5000VA	5000VA	6000VA
Max. Continuous output current:	a.c. 23.8A	a.c. 25A	a.c. 27.3A
Adjustable cos(Φ):	-0.8...1...+0.8	-0.8...1...+0.8	-0.8...1...+0.8

ZERTIFIKAT ◆ CERTIFICATE ◆ 認 證 證 書 ◆ CERTIFICADO ◆ CERTIFICAT

A4 / 07-17



Product Service

# CERTIFICATE

No. B 097335 0011 Rev. 00

General specifications:	
Protection class	I
Degree of protection	IP65
Overvoltage category	III(MAINS), II(PV)
Ambient temperature	-25 ... +60°C

**Tested according to:** IEC 62109-1(ed.1)  
IEC 62109-2(ed.1)  
EN 62109-1:2010  
EN 62109-2:2011

**Production Facility(ies):** 086470

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ZERTIFIKAT ♦ CERTIFICATE ♦ 認證證書 ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT