

Certificate of conformity with the following European Directive

Registered No.:
NE1105230046

Electromagnetic Compatibility Directive 2014/30/EU

Reference of applicant	Date of application	File reference	Test report No.	Date of issue	Expiry date
-	11.04.2023	TWR2304015	TWR2304015 001	17.04.2023	16.04.2028

This is to certify that the following product complies to all the provisions of the above mentioned European Directive and the following standards:

Product: Grid-connected PV Inverter

Type designation: PVBS3KPro-M1, PVBS3.6Pro-M1, PVBS4KPro-M1, PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

Serial No.: Engineering sample of PVBS6K-M1

Applicant: PVBlink Technology Private Limited
546/2, Opp. IBP Petrol Pump.B/h Shantam Pharmaceuticals, Rakanpur –
382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India

Standard(s): EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019,
EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019

This Certificate of conformity is based on the evaluation of sample(s) of the above mentioned product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to in Annex I of Council Directive 2014/30/EU. This certificate can be used by holder in connection with the EC declaration of conformity indicating conformity according to Electromagnetic Compatibility Directive.


Certification Department

Email: info.pc@tuv-nord.com
www.tuv-nord.com

The certificate can be verified by Online certification search in TÜV NORD Taiwan Co., Ltd. website: www.tuvnord.com.tw.
TAF ISO 17065 accredited no. PC094 for certification.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.

The TÜV NORD Group is active in more than 70 countries globally, which including TÜV NORD CERT GmbH (NB 0044), TÜV NORD SYSTEMS GmbH & CO. KG (NB 0045), TÜV NORD BALTIC LTD (NB 1409), TÜV NORD Sweden AB (NB 2529), TÜV UK Ltd. (AB 0879)..etc.



Certificate of Conformity

Registered No.:

COCPPV11134/22B-03

File reference
PVP11134/22B-09

Test report No.
TRPVP11134/22B/09

Date of issue
2023-04-03

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1
PVBS3KPro-M1, PVBS4KPro-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): IEC 60068-2-1: 2007, IEC 60068-2-2: 2007
IEC 60068-2-14: 2009, IEC 60068-2-30: 2005
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certificate of Conformity

Registered No.:

COCPPV11134/22B-05

File reference
PVP11134/22B-12

Test report No.
TRPVP11134/22B/12

Date of issue
2023-04-19

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory : **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): IEC 61000-3-11:2017, IEC 61000-3-12:2011+AMD1:2021
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certificate of Conformity

Registered No.:

COCPVP11134/22B-04

File reference
PVP11134/22B-10

Test report No.
TRPVP11134/22B/10

Date of issue
2023-04-03

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory : **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): IEC 61727: 2004, IEC 62116: 2014
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Version 1.3

Certificate of Conformity

Registered No.:

COCPPV11134/22B-01

File reference
PVP11134/22B-07

Test report No.
TRPVP11134/22B/07

Date of issue
2023-04-03

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): IEC 61683:1999

See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

PVBLINK TECHNOLOGY PRIVATE LIMITED

546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s): Grid-connected PV Inverter
Model type(s): PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program: P33-VA-01 Rev. 02 / 04.20
Certification fundamental(s): EN 62109-1:2010; EN 62109-2:2011
IEC 62109-1:2010; IEC 62109-2:2011
Registered no.: 44 799 23 406749 - 154_R1
Report no.: 492012430.001
File no.: PVP11134/22B-11



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2023-10-11

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

www.tuev-nord-cert.de

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Please also pay attention to the information stated overleaf.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.



ANNEX

Annex 1, Page 1 of 2

to Certificate registration no. 44 799 23 406749 - 154_R1

Description of product(s):

Rating \ Model	PVBS4.6KPro-M1	PVBS5K-M1	PVBS6K-M1
PV parameter:			
MPP Voltage Range [V d.c.]..... :	80-580		
Max. Input Current [A d.c.]..... :	18*2		
Isc [A d.c.] :	22*2		
AC parameter:			
Max. Apparent Power [kVA]..... :	4.6	5.0	6.0
Max. Current [A a.c.]..... :	20.0	21.7	26.0
Rated voltage [V a.c.]..... :	230		
Rated Frequency [Hz] :	50		
Power Factor cosφ [λ]..... :	0.8ind ~ 0.8cap		
System:			
Type of Isolation..... :	Non Isolated		
Number of DC connection..... :	2 PV		
Safety class..... :	Class I		
Ingress protection..... :	IP66		
Firmware [DSP / MCU] :	ES1.00		



TÜV NORD CERT GmbH
 Certification Body
 Balance of System (BOS) for Photovoltaics

Essen, 2023-10-11

ANNEX

Annex 1, Page 2 of 2

to Certificate registration no. 44 799 23 406749 - 154_R1

LCD [version]	ES1.00
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Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



Certificate of Conformity

Registered No.:

COCPPV11134/22B-02

File reference
PVP11134/22B-08

Test report No.
TRPVP11134/22B/08

Date of issue
2023-04-03

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump,
B/h Shantam Pharmaceuticals, Rakanpur - 382722,
Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBS4.6KPro-M1, PVBS5K-M1, PVBS6K-M1

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50530:2010+A1:2013

See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Version 1.3

Certificate of conformity with the following European Directive

Registered No.:
NE1105230158

Electromagnetic Compatibility Directive 2014/30/EU

Reference of applicant	Date of application	File reference	Test report No.	Date of issue	Expiry date
-	26.09.2023	TWR2309019	TWR2309019 001	27.09.2023	26.09.2028

This is to certify that the following product complies to all the provisions of the above mentioned European Directive and the following standards:

Product:	Grid-connected PV Inverter
Type designation:	PVBSM4K-M1, PVBSM3.6K-M1, PVBSM3.3K-M1, PVBSM3K-M1, PVBSM2K-M1, PVBSM1K-M1
Serial No.:	Engineering sample of PVBSM4K-M1
Applicant:	PVBlink Technology Private Limited 546/2, Opp. IBP Petrol Pump.B/h Shantam Pharmaceuticals, Rakanpur – 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India
Standard(s):	EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019 EN IEC 61000-6-1:2019, EN IEC 61000-6-2: 2019

This Certificate of conformity is based on the evaluation of sample(s) of the above mentioned product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to in Annex I of Council Directive 2014/30/EU. This certificate can be used by holder in connection with the EC declaration of conformity indicating conformity according to Electromagnetic Compatibility Directive.


Certification Department

Email: info.pc@tuv-nord.com
www.tuv-nord.com

The certificate can be verified by Online certification search in TUV NORD Taiwan Co., Ltd. website: www.tuvnord.com.tw.
The certification system is based on ISO 17065.

Certificate of Conformity

Registered No.:

COCPVP11134/22B-18

File reference

PVP11134/22B-02

Test report No.

TRPVP11134/22B/02

Date of issue

2023-11-09

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1, PVBSM3.3K-M1,
PVBSM3.6K-M1, PVBSM4K-M1

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50530:2010+A1:2013
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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BOS&ESS-T-002 COC



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Certificate of Conformity

Registered No.:

COC PVP11134/22B-17

File reference
PVP11134/22B-03

Test report No.
TRPVP11134/22B/03

Date of issue
2023-11-06

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1,
PVBSM3.3K-M1, PVBSM3.6K-M1, PVBSM4K-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): IEC 60068-2-1: 2007, IEC 60068-2-2: 2007
IEC 60068-2-14: 2009, IEC 60068-2-30: 2005
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certificate of Conformity

Registered No.:

COC PVP11134/22B-20

File reference
PVP11134/22B-06

Test report No.
TRPVP11134/22B/06

Date of issue
2023-11-09

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVblink Technology Private Limited.**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVblink Technology Private Limited.**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory : **PVblink Technology Private Limited.**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV inverter

Type designation: PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1, PVBSM3.3K-M1,
PVBSM3.6K-M1, PVBSM4K-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): EN IEC 61000-3-2:2019+A1:2020
EN 61000-3-3:2013+A1:2019
EN IEC 61000-3-11:2019, EN 61000-3-12:2011
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certificate of Conformity

Registered No.:

COCPVP11134/22B-16

File reference
PVP11134/22B-01

Test report No.
TRPVP11134/22B/01

Date of issue
2023-11-01

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1,
PVBSM3.3K-M1, PVBSM3.6K-M1, PVBSM4K-M1

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): IEC 61683:1999

See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).

Certificate of Conformity

Registered No.:

COCPVP11134/22B-19

File reference
PVP11134/22B-04

Test report No.
TRPVP11134/22B/04

Date of issue
2023-11-09

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Manufacturer: **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Factory : **PVBLINK TECHNOLOGY PRIVATE LIMITED**
546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

Product: Grid-connected PV Inverter

Type designation: PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1, PVBSM3.3K-M1,
PVBSM3.6K-M1, PVBSM4K-M1

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): IEC 61727: 2004, IEC 62116: 2014
See test report for detailed information.

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P.R. China

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

PVBLINK TECHNOLOGY PRIVATE LIMITED

546/2, Opp. IBP Petrol Pump, B/h Shantam Pharmaceuticals,
Rakanpur - 382722, Taluka: Kalol, Distt: Gandhinagar, Gujarat, India.

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s):	Grid-connected PV inverter
Model type(s):	PVBSM1K-M1, PVBSM2K-M1, PVBSM3K-M1, PVBSM3.3K-M1, PVBSM3.6K-M1, PVBSM4K-M1

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program:	P33-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62109-1:2010, EN 62109-2:2011 IEC 62109-1:2010, IEC62109-2:2011
Registered no.:	44 799 23 406749 - 423
Report no.:	492012849.001
File no.:	PVP11134/22B-05



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2023-12-28



TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

www.tuev-nord-cert.de

prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

 The CE marking may be affixed on the product if all relevant and effective Directives are complied with. 

ANNEX

Annex 1, Page 1 of 2

to Certificate registration no. 44 799 23 406749 - 423

Description of product(s):

Model or Type designation	PVBSM1K-M1	PVBSM2K-M1	PVBSM3K-M1
PV input			
V _{MAX} PV [Vd.c.]	600		
MPP Voltage Range [Vd.c.]	80-580		
Max. PV Input Current [Ad.c.]	18		
Short-circuit current [Ad.c.]	22		
AC output (Grid Side)			
Rated Output Voltage [Va.c.]	230, L/N/PE		
Rated Output Frequency [Hz]	50		
Rated Output Power [kW]	1.0	2.0	3.0
Max. Output Power [kVA]	1.0	2.0	3.0
Max. Output Current [Aa.c.]	4.3	8.7	13.0
Power Factor cosφ [λ]	>0.99, (-0.8 to +0.8 adjustable)		
System			
Type of inverter	Non-isolated		
Protective Class	Class I		
Enclosure Protection (IP)	IP66		
Operating Temperature Range [°C]	-25 to 60		
Overvoltage Category (OVC)	PV II, AC III		
Software version	PVBSM1.00		



ANNEX

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to Certificate registration no. 44 799 23 406749 - 423

Model or Type designation	PVBSM3.3K-M1	PVBSM3.6K-M1	PVBSM4K-M1
PV input			
V _{MAX} PV [Vd.c.]	600		
MPP Voltage Range [Vd.c.]	80-580		
Max. PV Input Current [Ad.c.]	18		
Short-circuit current [Ad.c.]	22		
AC output (Grid Side)			
Rated Output Voltage [Va.c.]	230, L/N/PE		
Rated Output Frequency [Hz]	50		
Rated Output Power [kW]	3.3	3.6	4.0
Max. Output Power [kVA]	3.3	3.6	4.0
Max. Output Current [Aa.c.]	14.3	15.7	17.4
Power Factor cosφ [λ]	>0.99, (-0.8 to +0.8 adjustable)		
System			
Type of inverter	Non-isolated		
Protective Class	Class I		
Enclosure Protection (IP)	IP66		
Operating Temperature Range [°C]	-25 to 60		
Oversvoltage Category (OVC)	PV II, AC III		
Software	PVBSM1.00		

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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