

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.* R 50560188
Blatt *Sheet* 0001

Ihr Zeichen *Client Reference* L.X.F.
Unser Zeichen *Our Reference* 01-LWP-CN223BQV 001
Ausstellungsdatum *Date of Issue* 01.11.2022
(day/mo/yr)

Genehmigungsinhaber *License Holder*

ZHEJIANG PNTECH TECHNOLOGY CO., LTD
ZHONGYI VILLAGE, GULIN TOWN,
HAISHU DISTRICT, NINGBO,
Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*

ZHEJIANG PNTECH TECHNOLOGY CO., LTD
ZHONGYI VILLAGE, GULIN TOWN,
HAISHU DISTRICT, NINGBO,
Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111259648

Geprüft nach *Tested acc. to*

IEC 62852:2014+A1
EN 62852:2015+A1

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

Lizenzentgelte - Einheit *License Fee - Unit*

PV Komponente (elektrisch) für BOS (PV Components for BOS - electrical)

Type Designation : PV005 (ZHEJIANG PNTECH (LOGO)) 5
Rated Voltage : 1500VDC
Rated Current : 30A
Ambient Temperature : -40°C to +85°C
Upper Limit Temperature: 100°C
Protection Degree : IP65/IP68 (1m, 1h)
Cross Section Range : 1x4, 0mm²
Application Class : Class A

Remark: The labelling requirements according to EU Directive 2001/95 have to be observed for distribution within the EEA.

5

ANLAGE (Appendix): 1.0

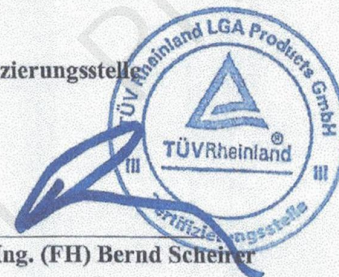
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die 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

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. (FH) Bernd Scheiner



ZHEJIANG PNTECH TECHNOLOGY CO., LTD
Lu Xufeng

Date : 01.11.2022
Our ref. : LWP 01
Your ref.: L.X.F.

ZHONGYI VILLAGE, GULIN TOWN,
HAISHU DISTRICT, NINGBO,
Zhejiang
P.R. China

Ref : R TÜV-Bauart-Zeichen o. Akkred. Nr.

Type of Equipment : PV Components for BOS - electrical
Model Designation : See Certificate
Certificate No. : R 50560188 0001
Report No. : CN223BQV 001

Dear Lu Xufeng,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body

Dipl.-Ing. (FH) Bernd Scheirer

Enclosure

TÜV Rheinland Thailand Ltd.
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Web www.tuv.com

Certified Product

- Product

PV Components for BOS – electrical: "PV005 (ZHEJIANG PNTECH(LOGO))"

- Certificate Holder

ZHEJIANG PNTECH TECHNOLOGY CO., LTD

- Test Mark Number

1111259648



The test includes:

1. Type Approved

TÜV Rheinland has tested this product to ascertain whether this product complies with the relevant technical and safety requirements. The products tested mainly involve components intended for installation as well as end products which are not yet ready for use.

For each product the internationally valid and applicable standards are checked. In cases where there are no standards or where they are inadequate, an inspection catalogue has been defined which follows the existing standards and which supplements the requirements not already described there. The product is then tested in the lab in accordance with these criteria.

The keyword "Type Approved " confirms that the product meets the test criteria of TÜV Rheinland.



2. Safety

TÜV Rheinland has tested this product in order to ascertain the extent to which it is safe in operation and compatible for the user when being used as intended.

TÜV Rheinland has defined a catalogue of tests, which establishes the minimum standards for the safety characteristic according to the product and manufacturer's information.

The test catalogue is based on internationally applicable standards or standards in common use in the industry and exceeds these requirements.

Depending on the product the tests cover electrical and mechanical safety inspections, flammability tests, radiation measurements, etc. The product has been tested in the laboratory according to these criteria. The keyword "Safety" confirms that the product satisfies the established safety criteria.



3. Regular Production Surveillance

In order to ensure that products initially tested and certified by TÜV Rheinland continue to be produced in consistent quality, the production is inspected at regular intervals. The procedures in the production premises are inspected, such as the purchasing of components (supplier assessment), the individual processing stages and pre-delivery inspections. The use of the keyword "Regular Production Surveillance" confirms that the production has been subjected to such inspections.



Certification

Product "PV Components for BOS – electrical, PV005 (ZHEJIANG PNTECH(LOGO))" as named in the certificate was tested by TUV Rheinland (Shanghai) Co., Ltd. and fulfills the defined requirements.

Certificate for this Product

- [Certificate TÜV-Mark Approval \(50560188\) "PV005 \(ZHEJIANG PNTECH\(LOGO\)\)"](#)

Contact to the certificate holder

ZHEJIANG PNTECH TECHNOLOGY CO., LTD

ZHONGYI VILLAGE, GULIN TOWN,
HAISHU DISTRICT, NINGBO,
Zhejiang
China (Mainland)



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Certificate No. R 50560188

- Certificate Holder
ZHEJIANG PNTECH TECHNOLOGY CO., LTD

ZHONGYI VILLAGE, GULIN TOWN,
HAISHU DISTRICT, NINGBO,
Zhejiang
China (Mainland)

- Certificate Number
R 50560188
- Order Number
244406806
- Certified Product
PV Components for BOS – electrical

Model Designation:
PV005 (ZHEJIANG PNTECH(LOGO))

- Fulfilled Standards
EN 62852:2015+A1
IEC 62852:2014+A1

The standard(s) listed here reflect the status at the time of the release of this certificate.

- Date of Issue
2022-11-01
- Certificate Type
TÜV-Mark Approval

Type Approval

The Type Approval mark of TÜV Rheinland is usually awarded for components that are not ready for use and occasionally also for finished products.

The components are by themselves not ready for use, but intended to be incorporated into finished products.

The tests focus on the safety of each component. The Type Approval is a voluntary test, which helps TÜV Rheinland to confirm that a product meets the relevant safety requirements.

After type examination the manufacture of products, which have received this test mark, is regularly monitored. The certification is valid as long as the test specifications are up to date and the certificate has not been terminated, neither by the customer nor by TÜV Rheinland. The validity of the certificate expires if changes are made to the product.

Certified products may be labelled with a test mark.