



Certificate No.

IECRE.WE.CC.20.0040-R0

IECRE - IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications

COMPONENT CERTIFICATE

Wind Turbine

This certificate is issued to

TBEA TIANJIN TRANSFORMERS CO., LTD.

NO.8 WEST 11 ROAD AIRPORT
ECONOMIC AREA TIANJIN
CHINA 300308

for the component

TBEA SCFLLB-F-3900/35 transformer

wind turbine class (class, standard, year)

not applicable, IEC 61400-1:2005+AMD1:2010

This certificate attests compliance with IEC 61400 Series as specified in subsequent pages It is based on the following reference documents:

Design basis evaluation conformity statement
Dated

Included in Design Evaluation Conformity Statement

Design evaluation conformity statement
Dated

IECRE.WE.CS.20.0056-R0
18.11.2020

Type test conformity statement
Dated

Not applicable

Manufacturing conformity statement
Dated

071.01.3.05.20.00
18.11.2020

Final evaluation report
Dated

3274885-6-e
18.11.2020

The conformity evaluation was carried out in accordance with the rules and procedures of the IECRE System www.iecre.org

The component specification begins on page 2 of this certificate.

Changes in the system design or the manufacturer's quality system are to be approved by TÜV SÜD Industrie Service GmbH. Without approval, the certificate loses its validity.

This certificate is valid until:
17.11.2025

Approved for issue on behalf of the IECRE
Certification Body:



TÜV SÜD Industrie Service GmbH
Westendstr. 199,
80686 Munich, Germany

Benjamin Bartels
Certification Body Wind Turbines
Munich, 18.11.2020

Other environmental conditions (where taken into account):

Design conditions in case of offshore WT :	N/A
Normal and extreme temperature ranges:	-25°C to +55°C
Relative humidity of the air:	95 %
Air density:	N/A
Solar radiation:	N/A
Lightning protection system (standard and protection class):	N/A
Earthquake model and parameters (standard and key parameters e.g. spectrum, model, seismic zone, soil class, etc.):	N/A
Other design conditions :	Max. altitude: 2500m

Major components:

*If not otherwise stated, the certificate holder is the manufacturer.

Transformer:

Type:	SCFLLB-F-3900/35 dry type transformer
Manufacturer:	TBEA
Drawing / Data sheet / Part No.:	D.TRF SG 3.X
Rated Voltage:	690V/35000V
Rated Power:	3900kVA
Degree of Protection:	E2
Location (e.g. tower bottom):	Nacelle

Manuals:

Operation & maintenance manual:	TBEA Operation & Maintenance Manual Cast Resin Dry Type Transformer without Enclosure Assembly (0TBC.469.C15195.1, rev. A)
Transport manual:	TBEA Operation & Maintenance Manual Cast Resin Dry Type Transformer without Enclosure Assembly (0TBC.469.C15195.1, rev. A)
Installation & commissioning manual:	TBEA Operation & Maintenance Manual Cast Resin Dry Type Transformer without Enclosure Assembly (0TBC.469.C15195.1, rev. A)