



Certificate No.

IECRE.WE.CC.YY.XXXX-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

Street
City
Country

for the component

wind turbine class (class, standard, year)

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

(Number)
dd.mm.yy

Design evaluation conformity statement
Dated

(Number)
dd.mm.yy

Type test conformity statement
Dated

(Number)
dd.mm.yy

Manufacturing conformity statement
Dated

(Number)
dd.mm.yy

Final evaluation report
Dated

(Number)
dd.mm.yy

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 the Certification Body. Without approval, the certificate loses its validity.

This certificate is valid until:
dd.mm.yy

Approved for issue on behalf of the IECRE
Certification Body:



Name 1(/Name 2):
Position 1(/Position 2):
(Location) dd.mm.yy

RECB legal entity name
Address line 1
Address line 2

Machine parameters :

Power regulation:

Rotor orientation:

Number of rotor blades:

Rotor tilt:

Cone angle:

Rated power:

Rated wind speed V_r :

Rotor diameter:

Hub height(s):

Hub height operating wind speed range $V_{in} - V_{out}$:

Design life time:

Software version:

Wind conditions :

Characteristic turbulence intensity I_{ref} at $V_{hub} = 15$ m/s:

Annual average wind speed at hub height V_{ave} :

Reference wind speed V_{ref} :

Mean flow inclination:

Hub height 50-year extreme wind speed V_{e50} :

Electrical network conditions :

Normal supply voltage and range:

Normal supply frequency and range:

Voltage imbalance:

Maximum duration of electrical power network outages:

Number of electrical network outages

Other environmental conditions (where taken into account):

Design conditions in case of offshore WT :

Normal and extreme temperature ranges:

Relative humidity of the air:

Air density:

Solar radiation:

Lightning protection system (standard and protection class):

Earthquake model and parameters (standard and key parameters e.g. spectrum, model, seismic zone, soil class, etc.):

Other design conditions :

Interfaces:

Design loads for the component:

Interface assumptions, conditions and requirements:

Other interface conditions:

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

Blade:

Type:

Material:

Blade length:

Number of blades:

Manufacturer:

Drawing / Data sheet / Part No.:

Blade bearing:

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Pitch System:

Motor / Actuator Type:

Pitch Controller Type:

Manufacturer:

Main shaft:

Type:

Manufacturer:

Material:

Drawing / Data sheet / Part No.:

Main bearing:

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Gearbox:

Type:

Gear Ratio:

Manufacturer:

Drawing / Data sheet / Part No.:

Yaw System:

Drive Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Bearing Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Gear Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Brake Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Generator:

Type

Manufacturer:

Drawing / Data sheet / Part No.:

Rated Power:

Rated Frequency:

Rated Speed:

Max. speed:

Rated Voltage:

Rated Current:

Insulation Class:

Degree of Protection:

Converter:

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Rated Voltage (grid side):

Rated Current (grid side):

Degree of Protection:

Transformer:

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Rated Voltage:

Rated Power:

Degree of Protection:

Location (e.g. tower bottom):

Tower:

Type:

Manufacturer:

Sections:

Length:

Drawing / Data sheet / Part No.:

Foundation:

Type:

Manufacturer:

Drawing / Data sheet / Part No:

Foundation Adaptor:

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Manuals:

Operation & maintenance manual:

Transport manual:

Installation & commissioning manual:

Outstanding issues: