



# Type Certificate

## TC-190605, Rev.0

This certificate is issued to

Doosan Heavy Industries & Construction Co., LTD  
22 Doosan Volvo-ro, Seongsan-gu  
Changwon-si, Gyeongsangnam-do, 51711,  
Republic of Korea

for the wind turbine

WinDS5500/140 (RNA)

wind turbine class & standard

IB, IEC 61400-3:2009

The conformity evaluation was carried out according to IEC 61400-22: Wind turbines - Part 22: Conformity testing and certification, Edition 1.0, 2010-05.

It is based on the reference documents listed on page 2 of this certificate.

The main wind turbine characteristics are specified in the annex of the following reference document:

STC – 190313

Design Evaluation

UL Renewables Rev. 1, 2019-06-26

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 2024-06-26, subject to the mandatory maintenance.

Cuxhaven, 2019-06-27

Kai Grigutsch  
Head of Certification Body  
UL Renewables



**TC - 190605, Rev.0**

This Certificate is based on the following reference documents:

**Design Evaluation Conformity Statement**

UL Renewables: Conformity Statement

“Design Evaluation Conformity Statement for the Wind Turbine WinDS5500/140 (RNA)”,

Doc. No. STC-190313 Rev. 1, 2019-06-26

**Type Test Evaluation Conformity Statement**

UL Renewables: Conformity Statement

“Type Test Evaluation Conformity Statement for the Wind Turbine WinDS5500/140”,

Doc. No. STC-190604 Rev. 0, 2019-06-27

**Manufacturing Evaluation Conformity Statement**

UL Renewables: Conformity Statement

“Manufacturing Evaluation Conformity Statement for the Wind Turbine WinDS5500/140 (RNA)”,

Doc. No. STC-190406 Rev. 1, 2019-06-26

**Final Evaluation Report**

UL Renewables: Evaluation Report

“Final Evaluation Report”,

Doc. No. R12070752-12 Rev. 0, 2019-06-27

