

Type Certificate

Wind Turbine – EW16

Statement No. TC-159-125590428-2023, Rev. 00

Applicant Eunice Wind Park Holdings (Int'l) Ltd
1 Bouboulinas str. 1060 Nicosia, Cyprus

Wind Turbine Eunice EW16, 50 kW, HH 22.0 m TST

The conformity evaluation has been carried out according to:

IEC 61400-22:2010
"Wind turbines - Part 22: Conformity testing and certification"

This Type Certificate attests compliance with

IEC 61400-2:2013
"Wind turbines – Part 2: small wind turbines"

concerning the design, type testing and manufacturing. It is based on the evaluation reports and other documents listed in Annex. The technical specifications of the wind turbine are given in the attached Annex. All conditions given in the listed evaluation reports shall be fulfilled.

Any changes in the design or manufacturer's quality system are to be submitted and approved by TÜV Rheinland Certification Body Wind Turbines. Without approval the Type Certificate loses its validity.

This Type Certificate is valid until 2028-10-05.

Cologne, 2023-10-05

TÜV Rheinland Industrie Service GmbH
Certification Body for Wind Turbines
Am Grauen Stein
51105 Cologne
Germany



Type Certificate

Annex

2023-10-05

Page 2 of 8

Statement No. TC-159-125590428-2023, Rev. 00

Applicant Eunice Wind Park Holdings (Int'l) Ltd
1 Bouboulinas str. 1060 Nicosia, Cyprus

Wind Turbine Eunice EW16, 50 kW, HH 22.0 m TST

Referenced Documents

Element	Reference Document	Dated	Issued by
Design Evaluation Conformity Statement	DE-159-125590428-2023	2023-10-05	TÜV Rheinland
Manufacturing Evaluation Conformity Statement	ME-159-125590428-2023	2023-10-05	TÜV Rheinland
Type Testing Conformity Statement	TT-159-125590428-2023	2023-10-05	TÜV Rheinland
Final Evaluation Report	125590428/8.9	2023-10-05	TÜV Rheinland
ISO 9001:2015 Quality Management System	DK012144, Rev.1	2022-12-15 to 2026-01-26	Bureau Veritas
ISO 9001:2015 Quality Management System	44100970337	2021-10-11 to 2024-10-10	TÜV Nord Cert
ISO 9001:2015 Quality Management System	18-Q-0411018-TIC	2021-07-13 to 2024-07-02	InterCert



Type Certificate

Annex

2023-10-05

Page 3 of 8

Statement No.	TC-159-125590428-2023, Rev. 00
Applicant	Eunice Wind Park Holdings (Int'l) Ltd 1 Bouboulinas str. 1060 Nicosia, Cyprus
Wind Turbine	Eunice EW16, 50 kW, HH 22.0 m TST

Wind Turbine Parameters

Wind Turbine Variant	EW16
Drive Train Configuration	Direct Drive
Wind Turbine Axis of Rotation	Horizontal Axis (clockwise)
Power Regulation	Variable speed, Stall
Rotor Orientation	Upwind
Rotor Tilt	3.0 deg.
Rated Power	50.0 kW
Rated Wind Speed	12.0 m/s
Rated Rotational Speed	58.0 rpm
Rotor Diameter	15.96 m
Hub Height	22.03 m
Operating Wind Speed Range (V_{in} - V_{out})	3.0 m/s – 20.0 m/s
Design Life Time	20.0 years
Generator Type	Direct Drive - Synchronous generator (with full converter)
Tower Type	Tubular Steel Tower (TST)
Primary Brake System	Generator brake
Pitch/ Stall System	Passive Stall

Rotor Blade

Blade Type	OLW 750
Blade Length	7515 mm \pm 5 mm
Maximum Chord	750 mm \pm 5 mm
Maximum Twist	11.8 deg. \pm 0.5 deg.
Blade Material(s)	Fiber glass/ polyester
Bolt Circle Diameter	360 mm \pm 1 mm
Bolt (Stud)	30 x M12 bolts with 8.8 steel grade

