

The latest wind turbine generator testing standards

Recognizing the growing challenges associated with load calculations and site condition assessments for wind turbines, DNV has taken the initiative to publish a new standard - DNV-ST ...

IEC TS 61400-21-4:2025 specifies a uniform methodology, defining measurement, testing and assessment procedures of electrical characteristics of wind turbine components and subsystems, as ...

Purpose and function Harmonization Wind Turbine Generator (WTG) classes List of IEC 61400 parts IEC 61400 is a set of design requirements made to ensure that wind turbines are appropriately engineered against damage from hazards within the planned lifetime. The standard concerns most aspects of the turbine life from site conditions before construction, to turbine components being tested, assembled and operated. Wind turbines are capital intensive, and are usually purchased before they are being erected and commissioned

Wind turbine power performance testing. Part 12-1 Wind turbines. Power performance measurements of electricity producing wind turbines. Part 12-2 Wind turbines. Power performance of electricity ...

UL Solutions helps manufacturers and asset owners assess the safety and performance of wind turbines and peripheral equipment with testing and certification services required for the local market access.

Research, testing, and certification of these wind turbine components are important steps in validating wind turbine component design, performance, and adherence to safety standards.

IEC 61400 is an international standard published by the International Electrotechnical Commission (IEC) regarding wind turbines. IEC 61400 is a set of design requirements made to ensure that wind ...

Any wind turbine manufacturer or designer of wind turbines used in distributed generation applications in the United States would find value in the conformity assessment guidance in this guideline.

The IEC 61400 series is a comprehensive set of standards specifically designed for wind turbine systems. This series covers various aspects, from design requirements to performance ...

IEC 61400-12-1:2022 specifies a procedure for measuring the power performance characteristics of a single wind turbine and applies to the testing of wind turbines of all types and sizes connected to the ...

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