

What is the specification for wind turbine generator?

The specification has to be recognised by its reference WIND TURBINE GENERATOR TECHNICAL SPECIFICATION S95-2.1 MWat Revision 02,dated 2012-02-21. The seller must not recognise this specification at any other issue or revision level unless accepted by him in writing. Each page carries its specific revision date and revision code.

What are wind energy specifications?

The Wind Energy Specifications aim to be consistent with other renewable specifications(e.g. solar,bioenergy,geothermal) and this document thus focuses on describing the unique aspects of wind energy as it applies to their estimation and classification per UNFC and the Renewable Energy Specifications.

Who will receive the wind turbine specifications report?

This Wind Turbine Specifications Report will be provided to Aboriginal communities,the Municipality of Kincardine,County of Bruce and the publicfollowing the distribution requirements and timing constraints outlined in O. Reg. 359/09,as amended,and the Draft Technical Guide to Renewable Energy Approvals (MOE,2012; MOE,2012).

Do the wind energy specifications provide step-by-step guidance?

The Wind Energy Specifications do not provide step-by-step guidancebut describe how the principles underpinning UNFC and Renewable Energy Specifications apply to wind energy and what key generic definitions that were originally designed for depletable,non-renewable resources mean in the context of wind energy generation.

What acoustic emission data is included in the wind turbine specifications report?

Table 1, below, highlights the requirements and how they are addressed in this Wind Turbine Specifications Report. 1 Acoustic emission data includes the overall sound power level, measurement uncertainty value, octave-band sound power levels (linear weighted), tonality and tonal audibility.

Should a wind turbine be operated at variable speed?

Clearly,it is beneficialto operate WTGs at variable speed. The reasons are several. When the wind speed is below rated,running the rotor speed with the wind speed and keeping the tip speed ratio constant ensure that the wind turbine will extract the maximum energy.

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