Wind Power Sinovel 1 5MW generator parameters

What is the power of Sinovel sl1500/89 wind turbine?
The wind turbine SL1500/89 is a production of Sinovel Wind Group Co.,Ltd.,a manufacturer from China. The rated power of Sinovel SL1500/89 is 1,50 MW. At a wind speed of 3,0 m/s,the wind turbine starts its work. the cut-out wind speed is 25,0 m/s. The rotor diameter of the Sinovel SL1500/89 is 89,42 m.

What is a S82 - 1.5 MW wind turbine?
S82 - 1.5 MW is designed for generating the optimal power output even at sites with a modest wind speed regime. The wind turbine concept is based on robust design with pitch regulated blade operation,a 3-stage gearbox with 1,650 kW rating and flexible coupling to the asynchronous induction generator.

What is the maximum speed of the sl1500/89 wind turbine?
The maximum speed of the generator is 2.000 U/min.The voltage amounts to 690 V. At the mains frequency,the SL1500/89 is at 50 Hz. Unfortunately there are no photos available for this wind turbine. There are no models for this wind turbine. Power data for the SL1500/89 of Sinovel are not stored in the system.

1 Introduction Wind energy is one of the fastest growing renewable energy sources and continues to flourish each year in many countries [1, 2]. Wind energy installed capacity has increased ...

Download Table | 1.5 MW DFIG wind turbine parameters. from publication: Active and reactive power control of the doubly fed induction generator based on wind energy conversion system | This paper ...

the mechanical power output of the turbine is a function of parameters such as air density, turbine rotor area, turbine rotor speed, and wind speed. This relationship is fundamental to building a ...

In Region 1, there is no power generated as the wind speed is lower than the cut-in wind speed (v cut-in = 3m/s) thus the generator torque is 0 and the wind is used to accelerate the rotor for ...

A kind of 5MW Permanent Magnet Synchronous Generator (PMSG) is designed in this paper, which structure and main parameters is determined through the analysis of key design ...

The rotor diameter of the MHI Vestas Offshore V164-9.5 MW is 164 m. The rotor area amounts to 21.124 m². The wind turbine is equipped with 3 rotor blades. The MHI Vestas Offshore V164-9.5 MW is fittet with a planetary gearbox. In the ...

Hitachi, Ltd announced it has developed a 5MW offshore wind turbine generator system, the HTW5.2-136, with a downwind configuration. The new system features a 15% larger rotor ...

rated. These conditions correspond to wind speeds of 8.0, 12.0, and 18.0ms1, respectively, and also include wave and current conditions. Some input parameter ranges are func-tions of the ...

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