

Wind turbine generator 2mw

What is a 2 MW wind turbine?

The 2 MW onshore wind turbine demonstrates the next step in wind turbine technology and efficiency, reducing the cost of energy for customers with low and medium wind speed sites. GE Vernova offers 116-meter (50, 60 Hz), 127-meter (60 Hz) and 132-meter (50 Hz) rotor options with nameplate ratings between 2.5-2.8 MW.

How many 2 MW turbines are there?

Proven performance and reliability record Since 1995, we have installed more than 9,700 of our 2 MW turbines around the world. This includes more than 4,000 V80-2.0 MW turbines, more than 5,000 V90-1.8/2.0 MW turbines and more than 350 of the newest V100-1.8/2.0 MW turbines.

What is a 2 MW onshore turbine?

The 2 MW onshore platform drivetrain and electrical system architecture provide improved performance along with greater wind turbine energy production. Other critical components have been scaled from existing platforms to meet the specific technical requirements of this evolutionary turbine.

How reliable is a 2 MW turbine?

The performance and reliability of the 2 MW platform has been proven with more than 55 GW installed worldwide since 2000. V90-2.0 MW(TM) turbines build on proven technology over several generations ensuring great reliability, serviceability and availability. Configuration 80m hub height and wind class IEC IIIA. Depending on site-specific conditions

Is GE Vernova a reliable 2 MW wind turbine?

GE Vernova's reliable 2 MW platform of onshore wind turbines has over 20 GW installed and in operation today, featuring a best-in-class capacity factor and a significant improvement in Annual Energy Production (AEP) within the 2 MW wind turbine range.

How does a 2 MW generator work?

To keep the blades pointed into the wind, the 2 MW-116 uses a passive yaw control system, and the 2 MW-127 uses an active yaw control system. GE's 2 MW Platform operates at a variable speed and uses a doubly fed asynchronous generator with a partial power converter system.

Productivity, reliability and performance The 2 MW platform performance design includes noise reduction technology, enhanced grid support and Load and Power Modes. The latter control feature either boosts or derates your turbines for the ...

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