The V112 Generators

Will Henrickson, Vice President
Electrical Machines
The Heart of the V112 Turbine
Highest reliability

In-house design and manufacturing

Lowest losses
Vestas V112-3.0 MW

The V112-3.0 MW is a tried and tested, reliable turbine designed for onshore sites with low and medium wind speeds. It’s an ideal turbine for use in the USA. The V112-3.0 MW delivers industry-leading reliability, serviceability and availability under all sorts of wind and weather conditions, setting a new standard for both performance and efficiency.

Business case certainty

Designed for a global future

Competitive cost of energy

More than a generator.

Innovation never stops.

Proximity matters.

Wind. It means the world to us.”
More than a generator
V112 Low-Voltage Ride-Through and PowerStop

Gridstreamer™ Turbine Response to Grid Fault

Generator Speed

Tower Bending
The V112 generator is now...

...a high bandwidth bi-directional torque converter.

...leading the way.
Proximity Matters
Traditional Generator Assembly
Design for Automation

Rotor Assembly
Design for Reliability
Thermal Cycle Testing
Reliability Testing

- Vibration Endurance Success-Run Testing (VESRT)
- Highly Accelerated Life Testing (HALT)
- Highly Accelerated Corrosion Testing (HACT)
- Multiple Environment Over-Stress Testing (MEOST)
- Sequential Customized Connector Reliability Testing (SCCRT)
V112 Modular Power Converter
Innovation never stops
The Industry’s Most Reliable Gearbox
Today’s Direct Drive Technology
More Reliable?
Secure, Reliable and Robust
Thank you for your attention