

superwind 1250

Mission Critical Division

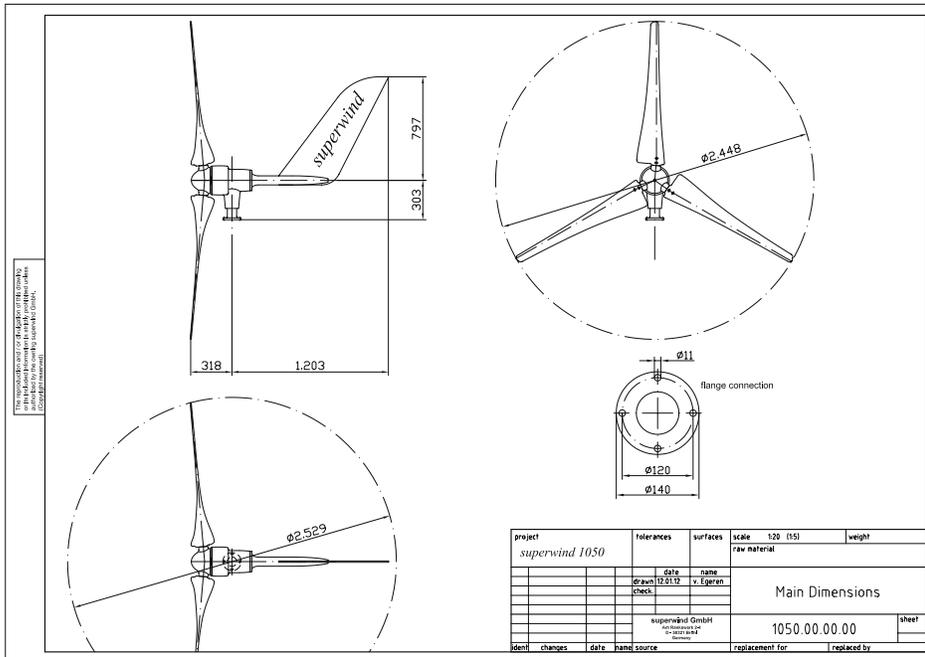
*Celebrating a Decade of
Providing Reliable Off-Grid Power
Production World-Wide.*



High Output, Low noise, Real-World durability



**Salt Water Rated and
Desert-Proof Materials**



**Zero Maintenance, Compact
Dimensions and Maximum Safety**

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Rotor diameter: 2.4 m Weight: approx. 45 kg

Automatic pitch control system to limit power output, thrust and rotor speed - no cut-out wind speed – no over-speed or runaway turbine problems

Non-stalling rotor and special airfoil for minimum aerodynamic noise emission

German designed 3-phase Permanent Magnet AC generator with perfect heat dissipation by aluminum housing for high efficiency at even high ambient temperature

Heavy Duty Copper Slip Rings with High Quality Copper Carbon Composite Brushes for free yawing and minimum power losses

Weight and pitch deflection balanced rotor blades and spin balanced hub for a perfectly balanced rotor

All materials seawater-proof (including aluminum alloys)

Integrated impact sound absorber and RF Gain dampeners (most electric noise from generator is eliminated)

Frictional damped yaw bearing for smooth operation at turbulent sites

3 Phase AC output from Hub – converted to DC near battery bank – allows long wire runs without DC line losses!

DC voltages available: 24 VDC and 48 VDC

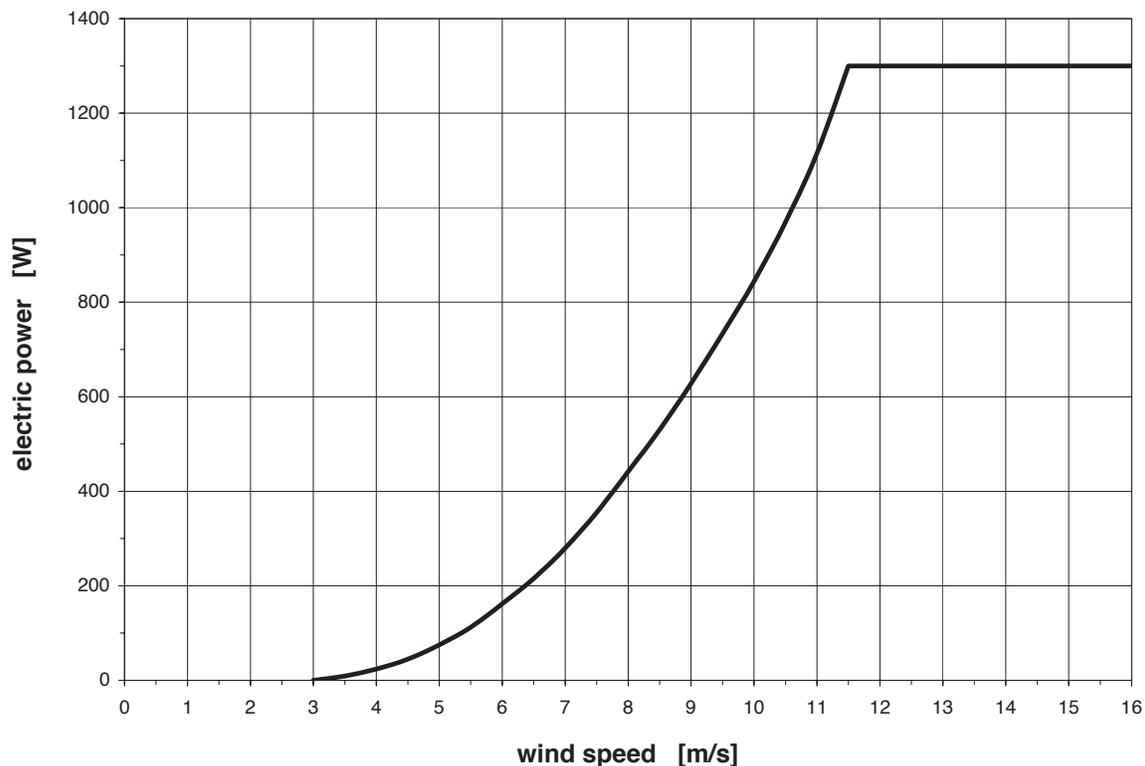
Standard unit delivered with magnetic breaking system and safety switch - Optional full stop disc brake available.

Rating at 11.5 m/s: 1250 Watts

Cut-in wind speed: 3.5 m/s; cut-out wind speed none.

Rotor speed: 300-600 rpm

Superwind 1250 Power Curve



Mission Critical Energy

MISSION CRITICAL OFF-GRID POWER FOR PROFESSIONALS

1801 North French Road
Amherst, NY 14068
Tel: (01) 716 276 8465
www.MissionCriticalEnergy.com

superwind GmbH
Am Rankewerk 2-4
D-50321 Brühl / Germany
Tel: +49 (0) 22 32-577357
power@superwind.com