

Lift turbine

WM 1000 W

WM 1000 W is a lift-based vertical axis wind turbine designed for both on-grid and off-grid applications. It operates quietly, has minimal impact on local biodiversity, and is well suited for installations in farmland and coastal environments.

Specification

Rated power output	1000 W
Max power	2000 W
Operation wind speed	3,5-22 m/s
Max survival wind	42 m/s
Rotor type	H-Darrieus 3 wings
Wing sweep area	5 m ²
Rotation	40 - 250 rpm
Wing material	Extruded aluminium
Tower material	Pressure treated wood
Generator	Radial flux permanent magnet
Regulation	Stall controlled
Voltage output	48 V DC with battery charging management
Monitoring	4G cloud connection



Environmental impact

Wings extruded in recyclable aluminium
 Tower manufactured in recyclable steel and wood
 Foundation with low impact soil screws
 Low CO₂ footprint

Optional

Battery pack
 Solar panel integration
 220 V grid-tied inverter

Production estimates

Average Winds @ 50 m	Production 1 Year	Production 10 Year
[m/s]	[kWh]	[MWh]
5,5	1.295	12,95
6	1.672	16,72
6,5	2.102	21,02
7	2.590	25,90
7,5	3.105	31,50
8	3.644	36,44

Dimensions

