

Drag turbine

WM 100 W

WM 100 W is a slow rotation drag-based wind turbine with low noise and vibration suited for off-grid installations and energy supplement for buildings. It can be field mounted on a wooden tower or roof mounted on high-strength steel roof attachment.

Specification

Rated power output	100 W
Max power	500 W
Operation wind speed	3,5-22 m/s
Max survival wind	35 m/s
Blades	2 drag blades
Blade material	UV resistant ABS
Crossbar material	Galvanized steel
Generator	Radial flux permanent magnet
Generator voltage	4-50 V
Power control	Electrical MPPT
Safety	Over voltage protection
Voltage output	12/24 V DC
Monitoring	4G cloud connection



Extra equipment

Remote monitoring with Energy Machines Cloud
500/1000 Wh battery power pack
20/40 W solar panel for additional energy production
230V AC output from 400 W inverter

Production estimates

*Wind turbine placed on a grass field

Average Winds @ 50 m	Production 1 Year	Production 10 year
[m/s]	[kWh]	[kWh]
5,5	70	700
6	95	950
6,5	120	1200
7	150	1500
7,5	185	1850
8	220	2200

Dimensions

