

SPECIFICHE TECNICHE E TIPOLOGIE TURBINE VERTICALI

Version.No: **01/02/2022**

Model

eV-1KW

eV-2KW

eV-3KW

PICTURES



Rated Power (W)	1000W	2000W	3000W
Max. Power (W)	1500W	2500W	3500W
Rated Rotor Speed (RPM)	150rpm	160rpm	160rpm
Start Torque (N.M.)	< 0.3N.M		< 0.5N.M
Blades Length (m)	2.65m	3.65m	3.65m
Blades Rotor Diameter (m)	1.4m	2.0m	2.3m
Blades Material	FPR		
Blades Quantity	3PCS		
CP	35%		
Start Wind Speed (m/s)	1m/s	2.8m/s	
Rated Wind Speed (m/s)	10m/s		
Working Wind Speed (m/s)	2-25m/s		
Safety Wind Speed (m/s)	50m/s		
Normal Voltage (V)	48V	96V	220V
Optional Voltage (V)	24-220V	24-380V	48-380V
Generator Type	Three-phase AC outer rotor disc coreless permanent magnet direct drive generator		
Support Wings Material and Surface Treatment	Galvanized steel		
Protection Method	Electromagnetic disc brake+PWM		
Generator Weight / Top Weight	35kg/175kg	51kg/285kg	65kg/355kg
Swept Area (m ²)	3,71	8,39	9,49
System Type	Off/On Grid		
Tower Type	Free stand tower		
Insulation Grade	B		
Protection Grade	IP54		
Working Temperature	-40°C - 50°C		
Life time	20 Years		
Tower Height	6m		
Controller Type	Off-Grid MPPT Controller /On grid controller (OPTIONAL)		
Inverter Type	Off-Grid/ On- Grid MPPT Inverter (OPTIONAL)		