HG.NO

L-1

• 24 V AC

Wind turbine • off-grid / hybrid • three-phase AC • HAWT (horizontal axis)

RATED POWER	VOLTAGE	ROTOR	CUT-IN WIND SPEED	WEIGHT
1.0 kW	**24 V AC**	**2.2 m**	**3.0 m/s**	**18 kg**



Key features

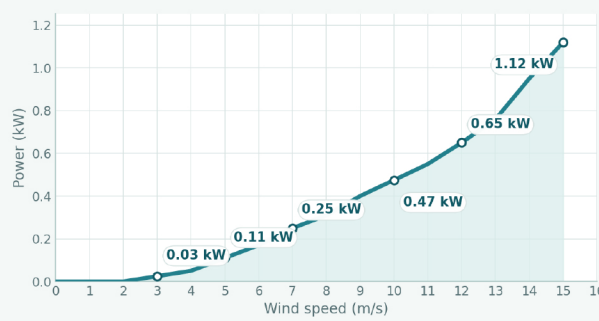
- Entry-level turbine with a low initial investment.
- 1 kW rated power for off-grid installations on small properties or backup power.
- 2.2 m rotor and a low cut-in wind speed.
- Relatively compact dimensions and low weight simplify installation.

Applications: off-grid systems, PV hybrids for backup power, holiday homes on open sites and small technical facilities.

Technical data

Model	I-1
Rated power	1000 W
Maximum power	1200 W
Rated voltage	24 V
Cut-in wind speed	3 m/s
Rated wind speed	14-15 m/s
Rotor diameter	220 cm
Blade material	Composite
Generator housing	Cast aluminium
Set weight	19 kg
Package contents	3 blades, mounting bolts, flange, generator, manual, nose cone, tail

Power curve



Reference points are indicative. Actual output depends on the site and airflow.

5.0 m/s	**0.11 kW**
7.0 m/s	**0.25 kW**
10.0 m/s	**0.47 kW**
12.0 m/s	**0.65 kW**

Important: A battery charge controller with a wind turbine input is required; operation without a controller is not permitted. Steadier generation typically starts at around 5 m/s; tower height and smooth, unobstructed airflow are key.