

DATASHEET

300-5000 W Vertical Axis Wind Turbine for Renewable Generation

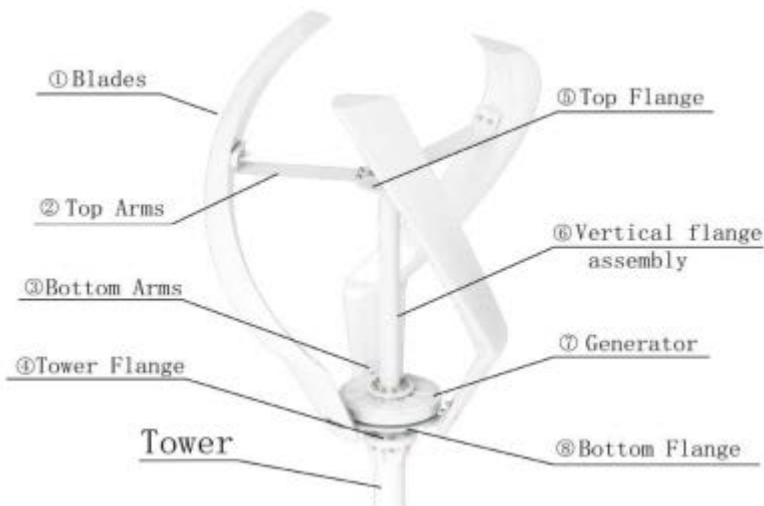
GV-300~5000W VAWT

Product Description

Grian52 GV-300~5000W vertical axis wind turbine generators provide high quality power lowering energy costs and increasing energy independence and sustainability for domestic and commercial applications.

Features and Benefits

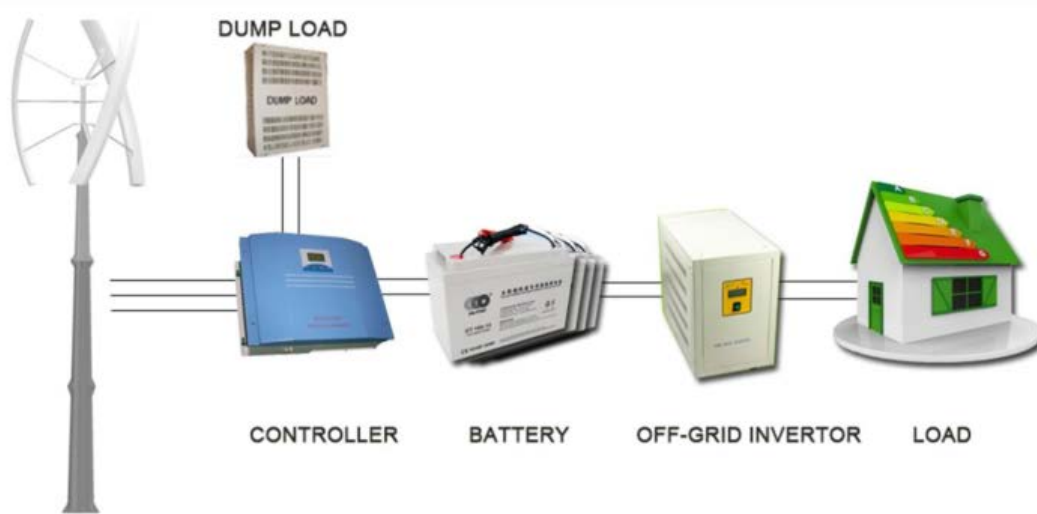
- Coreless disc generator for low drag and high reliability
- No hysteresis or gear notch effect reduces start torque allowing low start wind speed (1.8 m/s)
- Low noise (<30 db)
- 3-year warranty on materials and processing
- CE Certification IEC 61400-2, IEC 61400-12



Technical Data

Model	300W	500W	1 kW	2 kW	3 kW	5 kW
Rated power (W)	300	500	1000	2000	3000	5000
Max power (W)	400	650	1500	2500	4000	6000
Rated rotor speed (RPM)	200		150	150	100	
Start torque (Nm)	<0.1		<0.3	<0.3	<1	
Blade height (m)	1.3	1.5	2.6	3.5	3.7	5.2
Blade rotor diameter (m)	1.2	1.3	1.4	2.3	2.5	4.05
Blade material and quantity	FRP/3pcs					
Start wind speed (m/s)	1	2.24	2.8			
Rated wind speed (m/s)	10		11			
Working wind speed (m/s)	1-25		3-25			
Safety wind speed (m/s)	50					
Option voltage (V)	12-24		48-400		120-400	120-500
Generator type	Three-phase AC out rotor disc					
Weight (kg)	13/50	20/64	175	285	355	530
Swept area (m ²)	1.56	2.4	3.64	8.05	9.25	21.06

Off-grid VAWT Power Generation System



On-grid VAWT Power Generation System

