

Vertical-Axis Wind Turbines (VAWTs)



200W ~ 30KW

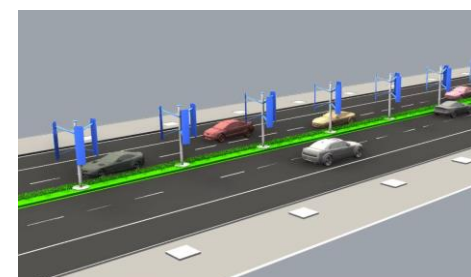
- Wind turbines are used to harness wind energy, which can be converted into electricity for various small to large-scale applications. Vertical-axis wind turbines (VAWTs) have certain advantages over horizontal-axis wind turbines (HAWTs) .
- Our vertical-axis wind turbines are capable of producing renewable energy at extremely low wind speeds regardless of the direction of the wind, and they are able to withstand natural hazards such as hurricanes, making them nearly maintenance-free for their entire service lifespan.
- We aim to provide class-leading solutions to off-grid power generation.
- Our VAWT units are ideal for street lights, boats, and marine applications, or any location where power needs to be generated on-site.

Advantages of our VAWTs

- Safe and quiet
- Able to harness wind energy at low speeds regardless of direction
- Lower environmental harm
- Maintenance-free, long service life
- Lower tower rod height requirements
- Lower foundation requirements
- Lower installation, maintenance and recycling costs
- Wind-solar hybrid system, increasing the amount of daily power generated

Applications of our VAWTs

- Business district
- Factory & enterprise
- Agriculture
- Aquaculture
- Marine & boat
- Villa
- School
- Tourist attractions
- Communication base station
- Urban public lighting
- Highway



Vertical-Axis Wind Turbine Specifications

Blade Material	Fiberglass/Aluminum Alloy
Generator Type	Three Phase Permanent Magnet
Working Temperature	-20C° ~ 80C°
Design Lifespan	20 years
Cut-in Wind Speed	2.5 m/
Rated Wind Speed	12 m/s
Survival Wind Speed	<53 m/s
Generator Efficiency	96%
Noise Level	<50 dB
Warranty	2 years

