



Horizontal wind generator

· NE-300 · NE-400 · NE-500 · NE-600 · NE-1000 · NE-2000

NE-1000, NE-2000:

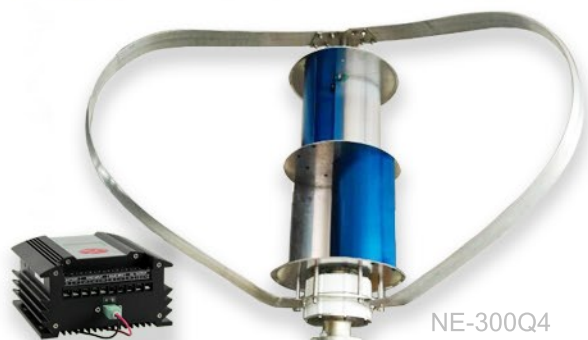
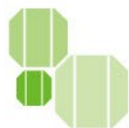
1. Carbon steel body, compact, safe.
2. Reinforced glass fiber blades, matched with optimized aerodynamic shape and structure, which enhance the wind energy utilization and annual output.
3. Patented permanent magnet ac generator with special stator, effectively reduce torque, well match the wind wheel and generator, and ensure the performance of whole system.
4. Tail adopts mechanical yaw technique, making it survive storm and run safely.
5. With epoxy zinc rich primer and polyurethane anti-corrosion treatment, be ultraviolet-proof, acid rain resistant, salt resistant.
6. Intelligent automatic grease injection, which ensure flexible running and durable life.

NE-300, NE-400, NE-500, NE-600:

1. Low start up speed, high wind energy utilization.
2. Easy installation, tube or flange connection optional.
3. Blades using new art of precision injection molding, matched with optimized aerodynamic shape and structure, which enhance the wind energy utilization and annual output.
4. Body of casting aluminum alloy, with 2 bearings swivel, making it survive stronger wind and run more safely.
5. Patented permanent magnet ac generator with special stator, effectively reduce torque, well match the wind wheel and generator, and ensure the performance of whole system.
6. Controller, inverter can be matched according to customers' specific needs.

Parameters

Model	NE-300	NE-400	NE-500	NE-600	NE-1000	NE-2000
Rated power	300w	400w	500w	600w	1000w	2000w
Maximum power	320w	430w	530w	630w	1500w	2300w
Rated voltage	12/24v	12/24v	24/48v	24/48v	24/48v	48/96v
Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	3m/s	3m/s
Rated wind speed	12m/s	13m/s	13m/s	13m/s	13m/s	13m/s
Survival wind speed	55m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Top net weight	8kg	13kg	15kg	16kg	42kg	52kg
Wheel diameter	1.4m	1.7m	1.75m	1.8m	2.8m	3.2m
Number of blades	3/5		3			
Blades material	Nylon fiber					
Generator	Three phase permanent magnet ac synchronous generator					
Magnet	NdFeB					
Generator case	Casting aluminum alloy					
Control system	Electromagnet/wind wheel yaw					
Speed regulation	Automatically adjust windward direction					
Working temperature	from -40°C to 80°C					
Gross Weight	8.5kg	14kg	17kg	18kg	46kg	54kg
Tower Height	3m*2	3m*2	3m*2	3m*2	3m*2	3m*2
Tower Diameter	48mm	60mm	60mm	60mm	76mm	89mm
Tower Thickness	2.5mm	3mm	3mm	3mm	3.5mm	4mm



NE-300Q4



NE-200S



NE-300R



NE-100Q1



NE-200Q2

Vertical wind generator

· NE-100Q1 · NE-200Q2 · NE-300Q4 · NE-200S · NE-300R

Safe in operation:

a. Due to the darrius design and aluminium alloy blade are based on maglev generator, when wind in different directions blows on the wheel, series products are rotating very easily at 1 m/s (starting wind speed) .

Moreover, its blades will not be able to fall down, broken or thrown far away.

b. With obvious colors on wind turbine boxes, birds issues have rarely been a concern.

It can be easily seen by birds or bats.

Noise:

The way of blades turning is clockwise that meets the aerodynamic principles.

Therefore, the series make noise less than 40 db in operation. (HAWB 100db)

Capacity of wind resistance:

Due to the advantage of darrius design, our turbines suffered in stronger wind force is minimized.

Once in a higher wind speed more than 65 meters/per second, such as hurricane, turbines would need to be shutdown gradually for safety reasons.

Parameters

Model	NE-100Q1	NE-200Q2	NE-300Q4	NE-200S	NE-300R
Rated power	100W	200W	300W	200W	300W
Max power	110W	210W	310W	210W	310W
Rated voltage	12/24V	12/24V	12/24V	12/24V	12/24V
Start-up wind speed	2m/s	3m/s	2m/s	2m/s	2.2m/s
Rated wind speed	13m/s	13m/s	13m/s	13m/s	13m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s
Top net weight	14kg	15kg	25kg	15kg	13kg
Wind wheel diameter	1.06m	1.06m	1.4m	1.4m	0.8m
Number of blades	9	12	7	10	5
Blades material	Casting aluminum alloy				Nylon fiber
Generator type	Three phase permanent magnet ac synchronous generator				
Control system	Electromagnet				
Speed regulation	Automatically adjust windward direction				
Lubrication way	Lubrication grease				
Working temperature	-40℃-80℃				