

## Products

Home Energy offers a number of high-quality sustainable energy products capable of being custom fit for your situation and needs. They include:

- **Wind Power:** the Energy Ball® is a spherical wind turbine that generates electricity noiselessly from the wind and is available in two versions: the Energy Ball® V100 and the Energy Ball® V200.
- **Solar Power:** Solar panels that generate electricity from solar energy.
- **Solar Heat:** Solar collectors with vacuum glass tubes that use sun light to heat water for use in all home utilities, swimming pools, and/or for heating rooms, even under cloudy conditions.
- **Bio Heat:** A combustion system using biomass (wood chips or pellets/ other bio-mass by-products) that serves as a central home heating system, all in-home hot water utilities, and/or heated swimming pools.

• Durable •

• Natural •

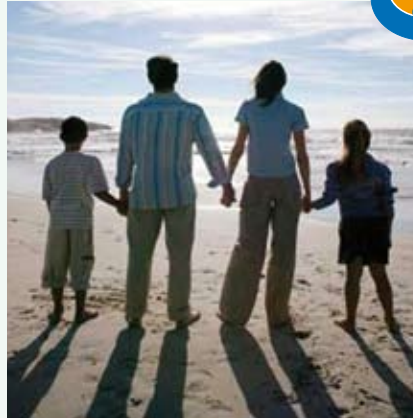


# HomeEnergy

Home Energy would like to introduce its affordable, innovative products that enable private customers and businesses to generate their own energy.

You can now choose to provide for your own sustainable energy requirements, reduce your fossil fuel use, and at the same time take some personal initiative toward a healthier future of our planet.

Your choice: Home Energy.



# Your choice

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# HomeEnergy



## Wind Power

Energy Ball® V200

# Your choice

## Wind Power Energy Ball® V200

The Energy Ball® V200 is a spherical wind turbine with 5 rotor blades and a diameter of 1.98m. Its patented round form is particularly pleasing to the eye, yet is silent to the ear.

The Energy Ball® V200 enables you to noiselessly generate part of your own electricity supply.

The Energy Ball® V200's dimensions allow it to be installed in urban areas. The Energy Ball® V200 is a silent, non-sail turbine that casts no unpleasant shadow.

The Energy Ball® V200 is ideally installed on a mast with an aggregate height of 12m or 15 m.

### Energy Ball® V200 grid-connected

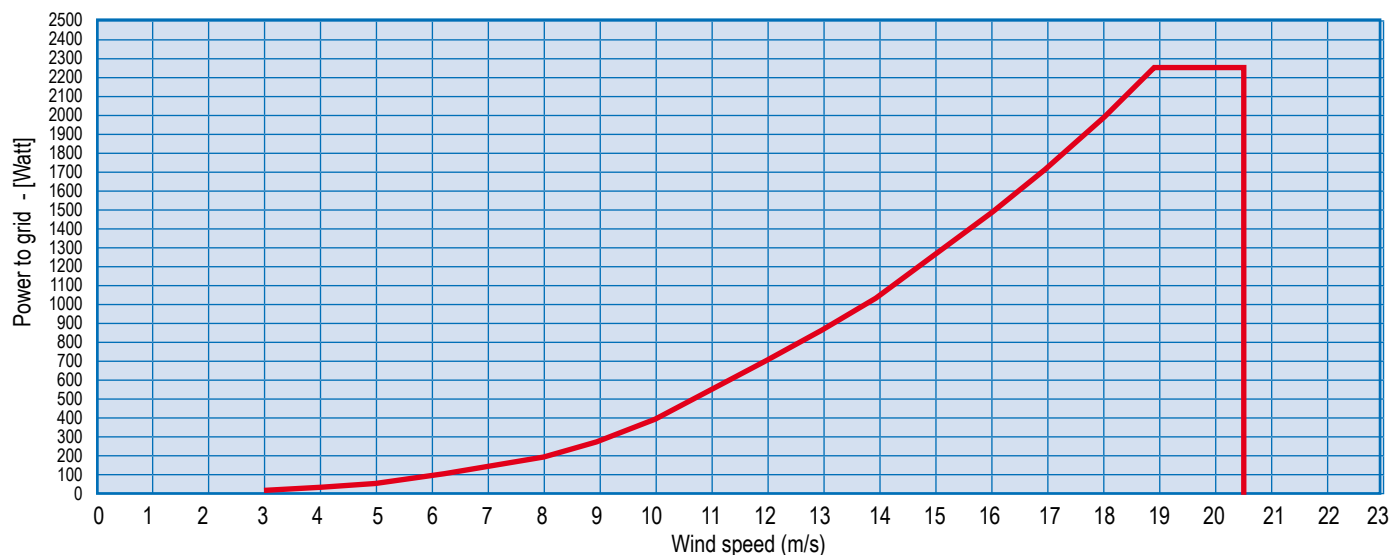
The Energy Ball® V200 comes equipped with a WindPower Inverter. This groups electrical energy generated by the Energy Ball® V200 suitable for delivery to the utility grid. (230 Vac, 50 Hz).

The maximum capacity of the Energy Ball® V200 generator is 2500 W. At maximum capacity, groomed output delivered directly to the utility grid by the WindPower Inverter is 2250 W at 230 Vac and 50 Hz

The WindPower Inverter is connected to your home electrical breaker box. The Energy Ball generated electricity may be use directly for your own in home use. Excess energy not used in your home will be automatically delivered to the grid. During this process, your home utility meter will operate in reverse.

## Specifications

Power curve Energy Ball® V200



The Energy Ball® V200 achieves its maximal capacity at wind speeds of 19 m/s (Beaufort wind force 8 to 9).

The Energy Ball® V200 is capable of generating 1750 kWh a year when the annual wind speed averages 7 m/s, given that it is installed in an open area and sits on a mast with a total height of 15 m.

Average wind speed		Yield / year
[m/s]	[Beaufort]	[kWh]
7.5 m/s	4,5	2200 kWh
7 m/s	4,5	1750 kWh
6 m/s	4	1000 kWh
5 m/s	3,5	500 kWh
4.5 m/s	3	340 kWh
4 m/s	3	240 kWh

### Technical specifications

General	Minimum wind velocity	3 m/s
	Maximum wind velocity	40 m/s
	Rotor speed control	Niet nodig
	Measured yield at 10 m/s	400 Watt
	Maximum yield at 19 m/s	2250 Watt
	Maximum RPM at 40 m/s	700 rpm
	Gross weight	90 kg
	No. of rotor blades	5
	Type of rotor blade	Glass fibre reinforced polyester
	Rotor diameter	1.98 m
	Spinning surface	3.8 m <sup>2</sup>
	Brake system	Electric
Transmission	None (nor required)	
Generator	Electric drive	3-phase, 12-pin brushless
	Solenoid generator type	Permanent Neodymium
Inverter	Net voltage	230 Vac / 50 Hz

Your choice

