

NewGreenTec – Products - Hybrid Eco-Mini Power Plants – Electricity from renewable sources

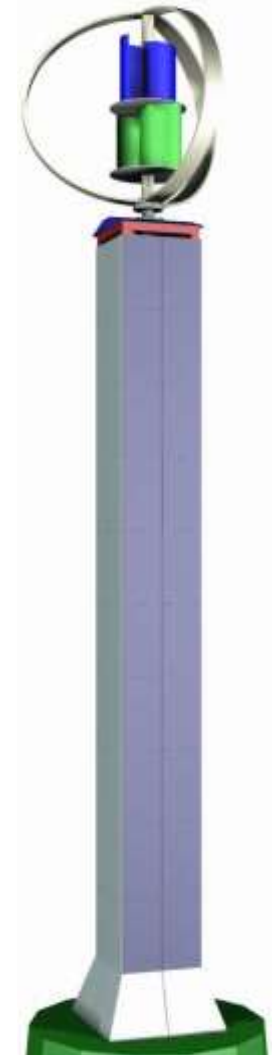
Our products use the energy of **sun and wind combined** in compact devices, which can be easily installed on the smallest ground area, on buildings or outdoors. This combination of photovoltaic, vertical axis wind turbines with storage and consumer reduces costs and space requirements. We use the latest generation of solar cells, wind turbines and storage. This enables us to achieve a high level of own consumption and self-sufficiency. The combination allows **ecological power generation even at night and in rain**. Where there is not enough wind, the devices can also be used without a wind turbine. The dual vertical-axis wind turbines used are independent of wind direction and are especially suited for applications of less than 50 m height and with variable winds and turbulences. They are very robust, quiet and pose **no danger to birds** etc.

1. EnergyTower™ is a cubic tower with vertical PV modules, which make better use of the morning and afternoon sun, provide energy even in winter when the sun is low and are not covered with snow and frost. The devices can be placed on the roof of the house, on the terrace, in the yard or garden, on parking lots or in fields and **plugged into the house grid**. They are modular in design and available in various sizes; from the mini tower for a house from 3 to 30 meters height, for commercial use in urban areas or remote locations, in industrial or rural areas. The interior provides space for technology, storage, tools, sports equipment as well as **for water pumps, e-bikes, charging stations**, communication and research facilities, etc.




2. PowerPyramid™ is also a combination of PV and wind turbines, but with a substructure that is especially suitable for installation on **flat roofs, i.e. also on the elevated lift shafts** or between roof structures of apartment or office buildings etc. This means that flat roofs can be used even better for energy generation.

3. RoofPower™ is a vertical axis wind turbine for application on gable roofs. It is attached to several roof beams and makes optimum **use of the increased wind speed on the buildings**. Depending on requirements, it can be combined with PV modules or supplement existing PV systems. This is also particularly suitable for agricultural buildings, warehouses and industrial buildings etc.

4. PolePower™ is the installation of a vertical axis wind turbine on a free-standing or braced mast, combined with PV modules if required. This is also suitable, for example, for lighting for roads, parking lots and sports fields, supplying mountain huts, holiday homes, **stables, communication and monitoring equipment**, etc.



Produkt - Spezifikationen und Preise / Product Specifications and cost / On- and Off Grid Hybrid Eco - Power Supply

Type		Grösse Size	Nennleistung Installed Power		Jahresertrag (@45N / 5m/s) Annual yield ca.			Höhe Gesamt Total height	Turbine Durch-messer Diameter	Bemerkung Remark
			PV	Wind	PV	Wind	Total ca.			
			Wp	W	kWh	kWh	kWh	Meter	Meter	
1. EnergyTower™ Selbst-stehender Turm mit vertikalen PV-Modulen		Small	1320	600	650	500	1'150	3.6	1.35	 Alle Leistungsangaben sind Jahresdurchschnittswerte bei durchschnittlicher Windgeschwindigkeit von 5 m/s. * wird auch ohne Windturbine geliefert oder ohne PV-Module Preis auf Anfrage. Alle Angaben ohne Gewähr. Änderungen vorbehalten.
		Medium	>2640	1000	>1300	>1'000	>2'300	4.0	2.0	
		Large	>26400	>5'000	>13'000	>5'000	<18'000	-23.0	>2.5	
2. PowerPyramid™ Windturbine auf Ständer mit zwei PV-Modulen, ideal auf Flachdach		Small	400*	600	500W or ohne w/o	500	1'000	2.35	1.35	
		Medium	500*	1000	600W or ohne w/o	>1'000	>1'500	3.0	2.0	
		Large	>660*	>2000	>700W or ohne w/o	>2'000	>2'500	>3.5	>2.5	
3. RoofPower™ Windturbine auf Giebeldach mit oder ohne PV		Small	400*	600	600W or ohne w/o	500	500	1.55	1.35	
		Medium	500*	1000	600W or ohne w/o	1'000	1'000	2.2	2.0	
		Large	>600*	>2000	>600W or ohne w/o	>2'000	>2'000	>2.7	>2.5	
4. PolePower™ Windturbine auf freistehendem Mast mit oder ohne PV		Small	200*	600	200W or ohne w/o	500	500	6.35	1.35	
		Medium	350*	1000	700 W or ohne w/o	1'000	1'000	7	2.0	
		Large	>2000*	>000	-2kW or ohne w/o	>2'000	>2'000	>10	>2.5	