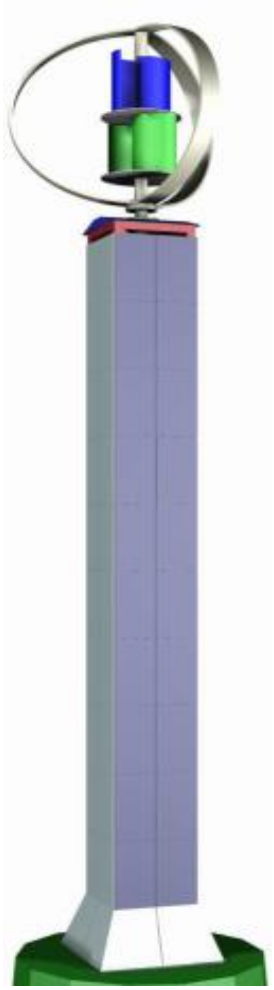
EnergyTower® is a compact solar-wind hybrid power plant - a stand-alone tower with a vertical wind turbine and photovoltaic modules - which allows you to produce your own ecological electricity from the sun and wind in a sustainable way, wherever you need it. The installation is simple and inexpensive, all technical components are integrated in the interior (all-in-one), it can be used for any consumers applications.



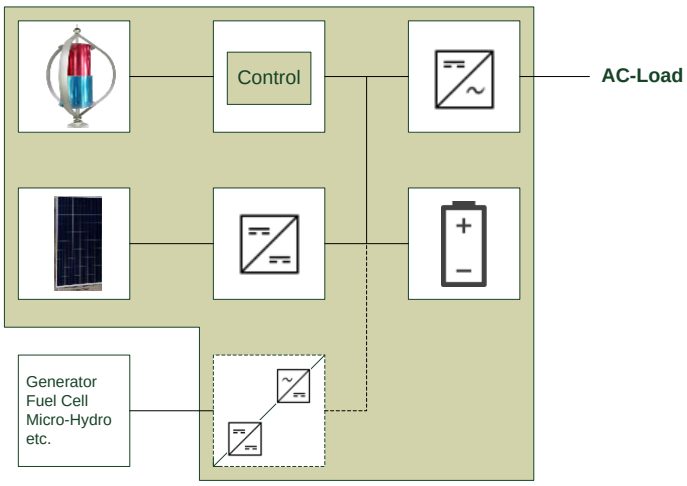
Advantages

- Modular scalable size - from 2 to 23 metres high
- Space-saving - Erection on a very small footprint
- Suitable for mobile and permanent installations
- On- and Offgrid (stand-alone) operation - expandable according to energy requirements
- Storage space for devices and technical equipment
- Efficient production in winter and night (depending on location)
    - Use of local winds such as mistral, bora, trade winds, etc. and the general winter winds
    - Vertical PV modules (low sun position)
    - Snow-free PV modules
    - Power generation in periods of bad weather
- Vertical wind turbine
    - independent of wind direction
    - Robust technology - low maintenance
    - Responsive and aesthetic design
    - Low noise emissions
    - Suitable for gusty wind conditions

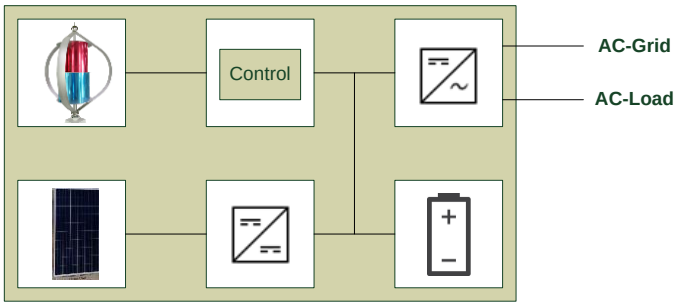
Applications

- House roofs and terraces
- Gardens and farms
- Mountain huts, holiday homes and camping
- Houseboats, beach houses and island systems
- Groundwater pumping and treatment stations
- Remote technical installations (telecommunications, research, monitoring and weather stations, Internet hotspots, surveillance, etc.)
- On parking lots for electric vehicles - charging stations
- Trade and industry (advertising display can be integrated)

The EnergyTower® can be configured and expanded for various applications - AC and DC applications - depending on the power requirements.

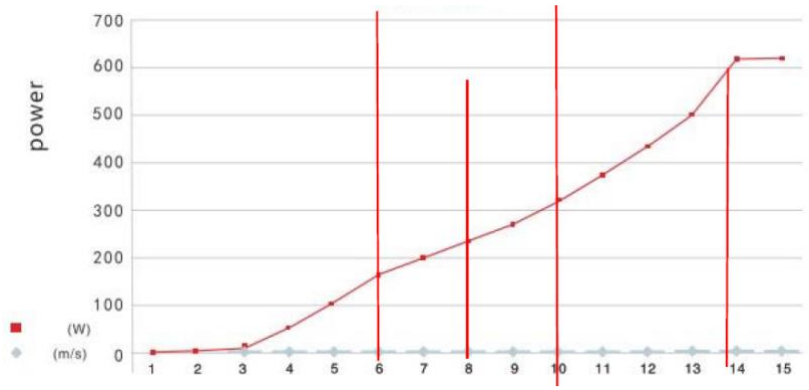


Mains-independent AC configuration with battery storage
DC intermediate circuit with battery 12, 24 or 48V
Options: third energy source (AC or DC), energy management, monitoring.



AC configuration with mains connection and battery storage
DC intermediate circuit with battery 12, 24 and 48V.

VWKT Wind turbine 600 W - Power curve and technical data



Cut-in	1.3m/s
Nominal Wind	13m/s
Performance at 5m/s	110W
Performance at 13m/s	600W
Survival Wind Speed	65m/s
Dimension	2m x 1.5m
Weight	51 kg
Generator type	PMG, AC-3
Brake system	Control-brake
Amb. temperature	-40~50°C

EnergyTower* Product - Specifications

Solar-wind-hybrid power plant - grid and off-grid power supply

	Nominal power		**Annual yield**			**Height**	**Diameter of turbine**	**Weight**
Type	**PV**	**Wind**	**PV** (45N)	**Wind** (5.0m/s)	**total ca.**			
Size	**Wp**	**W**	**kWh**	**kWh**	**kWh**	**Meter**	**Meter**	**kg net**
Small	1'320	600	650	500	1`150	3.6	1.54	650*
Medium	2'640	1'000	1'300	1`000	2`300	4.0	2.1	870*
Large	26'400	5`000	13`000	5`000	18`000	23.0	5.7	3500

All yield data are annual average values at an average wind speed of 5 m/s and Solar radiation data from the location Zurich Switzerland.
Price on request. All data without guarantee. Subject to change without notice.
* including ballast for stabilisation

The EnergyTower®* is also supplied without a wind turbine. The tower can be made of the following materials, depending on the application and local conditions:

- Aluminium
- Steel (stainless A2)
- Wood
- Bamboo (in development)