



Self-sufficient Energy Streetlight

Energy self-sufficient
powered from solar and/or windenergy

Stand-alone
no grid connection - no cable

Year-round use by Hybrid Technology
due to sunny summer & windy winter

Practically anywhere
e.g. cycle paths, sports field, car parks,
promenades, eco-villages

Complete Modular solutions
incl. mast, turbine, PV, battery, electronics

Best Price Guarantee
Purchase price / lifespan

Low service costs
due to remote control

Very easy assembly
Reinforced concrete foundation

Sturdy construction
Steel & Aluminum

Quality tested
CE, DIN, VDE, IEC

Warranty
2 years



Wind Energy
My Energy provides high quality and
affordable solution for every application



Small hydropower
My Energy has many years experience
in expert team



Biomass
My Energy is relying on a long-standing
cooperation with a team of experts
and delivers high-quality facilities
in any field

[www . My - Energy .](http://www.My-Energy.com)

Sales:



Self-sufficient Energy Streetlight

Wind/ PV/LED

PW500
P200



Technical Data:

Vertical Axis Windturbine (VAWT):	
Nominal power	300 Watt
Cut-In	2,5 m/s
Rated Windspeed	12 m/s
Rotor material	Anodized Aluminium
Brake system	electronical controlled
Generator	Permanent magnet generator
Normal conditions	-10 bis +40 °C, up to 95 % Humidity
Mono-/Polycrystalline PV (Photovoltaic) Module:	
Nominal Power	1 or 2 x 85 Wp
Battery	Deep dischargeable, Gel-Type, 2 x 100 Ah
LED Streetlamp (Light Emitting Diode):	
Consumption	24 or 36 Watt
Luminous flux	800 or 1.200 Lumen

Energy production Forecast:

For the absolutely reliable function of the self-sufficient energy streetlights careful calculations are required, just one example: In the north of Germany there is not enough sunlight from November to February to power the system only from the PV module(s), therefore in winter conditions the function of the windmills is necessary, whereas e.g. in the south of Germany, depending on the exact location, the windmill could be also completely excluded from the system! The experts of **My Energy** are ready to prepare forecasts on a professional basis and taking into account their practical experience.

Applications:

From the infrastructure independent lighting of footpaths, sports grounds or e.g. Supermarkets car parks, trendy lighting of cycle paths, camping sites, and temporary or fixed solution during construction phases of new roads to avoid permanent electricity expenses! There is a wide range of applications and **My Energy** delivers the right design and complete technical solutions.



Pictures show only one **example** of a simple mobile solution! Any design and technical details ready on request!

Vertical Axis Wind Turbine with Savonius and Darrieus rotor, with the following advantages:

- very quiet operation
- low physical strain on the masts
- efficient even in gusty, rotating winds
- design blends in with modern architecture
- no routine maintenance cost
- sufficient production in winter

Photovoltaic module(s), mono- or polycrystalline, optimized for any location:

- long-term experience from manufacturer
- very high efficiency
- 20-year production guarantee above 90% of initial power capacity

LED street lamp by specialized top manufacturers:

- high illumination
- for more security on the road
- low power consumption

Mast in any shape, color and variety of materials, from wood to aluminum:

- adapted to the respective street type
- Surface protection as required
- Attractive price by mass production

Electronics including controller for wind turbine and PV module (s), batteries and control unit:

- matched components
- sealed and splashproof
- easily accessible or sunk in the ground
- External consumers directly connectable (e.g. Christmas lights)

Foundation for each location:

- an example of the mobile solution
- any fixed versions available
- no infrastructure needed (no cable)