



**Electricity from the sun**

**Photovoltaics**  
modern technology

**Very efficient**  
polycrystalline modules

**Best Price Guarantee**  
owing to falling world market prices

**Virtually anywhere**  
on house roofs, carports, halls, etc.

**Electronics from world market leaders**  
Inverters from Germany (SMA)

**Complete application packets**  
including mounting hardware and  
electricity network connection

**Very easy roof assembly**  
on any roof shape (Schletter)

**No service charge**  
no maintenance

**Rugged construction**  
Alu frames, special glass

**Tested quality**  
IEC, EN, TÜV

**Limited Warranty**  
25 years



**Wind Energy**  
My Energy provides high quality and  
affordable solutions for every application



**Small hydropower**  
My Energy has many years of  
experience and an expert team



**Biomass**  
My Energy relies 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:



**Photovoltaics**

*Let the sun burn your bill,  
free electricity forever!*



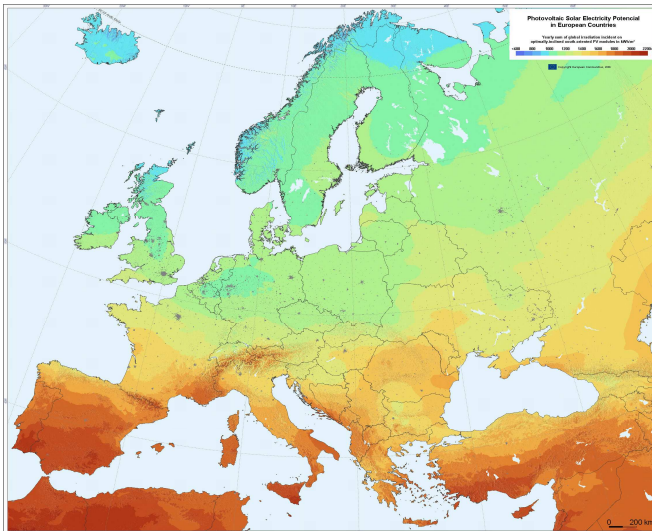
**My Energy**  
Best Price - Best Quality

## Technical Data:

Polycrystalline Photovoltaic-Modules:	
Rated Power	200 Watt (peak)
Power tolerance	± 3 %
Nominal Voltage	24 V
Short-circuit current	8,25 A
Module efficiency	13,9 %
Temperature coefficient	-0,38 % / °C
Max. system voltage	1000 V
Dimensions	1460 x 980 mm
Weight	18 kg
Solar Cells	54 (156 x 156 mm) in 6 x 9 matrix, connected in series
Output Cables	RHW2, 12 AWG (4 mm <sup>2</sup> ), 1 m length, weatherproof connectors
Glass	High-transmission 3,2 mm low iron tempered
Frame	Anodized aluminum
Minimum output power	Min. 90 % after 10 years, min. 80 % after 20 years

## Production forecast:

The productivity of PV modules depends on the latitude and the climatic conditions of the region. The annual electricity production per installed nominal Kilowatt peak (kWp) ranges from a few 100 kWh in northern Europe up to 1.500 kWh in southern Europe, the experts of **My Energy** are ready to calculate a forecast for any location!



## Applications: Rooftops, Carports, etc.



## Quality as a guarantor of independence:

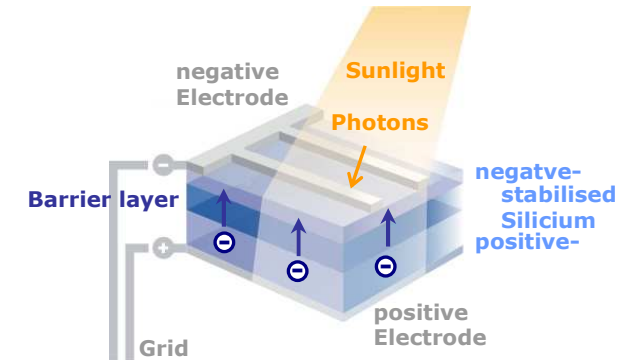
**My Energy** PV systems are of the highest quality, because the components are carefully selected: PV modules from one of the world's top producers with 15-years of market experience and the highest efficient modules, inverters and cables and mounting material also from the world leading producers. Guaranteeing the Best Quality with the Best Price is **My Energy's** approach!

## Technical:

While mono-crystalline modules are the best choice for low-cloud climates in Southern Europe, poly-crystalline PV cells offer the best yields in temperate climates. The assembly should be placed exactly to the south, with an angle relative to the horizontal of appr. 35°, depending on the latitude. The DC solar power is converted to 220 V with 50 Hz and supplied to the domestic grid, usually counted from a separate electricity meter and the electricity company will pay the regular feed-in tariff for the climate-friendly electricity you produce!

## Solar energy:

From the flux of light and warmth to the earth the yearly incident solar energy could meet about 10.000 times the energy consumption of humanity. One of the many ways to utilize it is the photovoltaics. Physically it was discovered already in 1839, a real industrial use, however, was only achieved in 1959.



## Internal photoelectric effect:

When sunlight (photons) are absorbed by a semiconductor (eg. silicon), the conductivity for electricity is increasing. Due to the solar radiation, electrons are released, a current flow proportional to the radiation strength arises.

