



Photovoltaic Water Heating System for Rotex Hybridcube

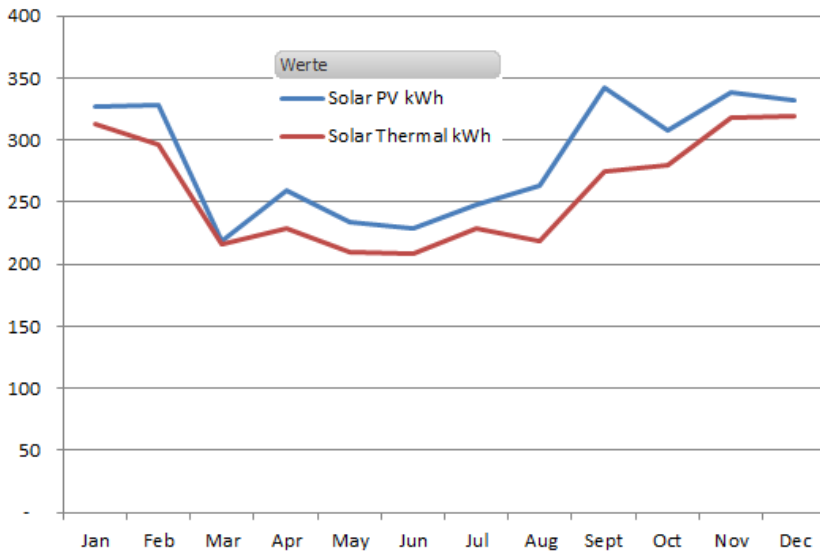


**Hot Water
from
PV Panels!**

How ELWA (electric water heater) works:
An integrated MPP-Tracker uses maximum DC energy for the heating rod. There is NO need for an AC grid connection. During rainy days or at night ELWA provides hot water from AC. The desired temperature can easily be adjusted by a single control knob. Patented!

- Uses 100% of your PV energy
- Easy Installation
- AC backup heating included
- Lower price than Solar Thermal Systems
- Optional USB interface for data recording
- No maintenance, no moving parts
- No pumps, No piping, No insulation
- No thermal heat losses on transfer

PV SOLAR vs THERMAL SOLAR



Graph is based on simulation results on a comparison of 8 x 250watt panels, 2kWp PV ELWA SC system vs a 6m² Solar thermal system with a 300L tank, discharge of 130L/day, cold water inlet 10°C, over a 12 month period. Location Lisbon, Portugal, which has a similar Solar and Temp data as for Melbourne, Australia (No secondary heating).

	PV	Thermal
System energy	3430	3117 kWh
Running hours	4428	3340

ELWA SC has been developed to utilize advantages of the Rotex Sanicube to increase solar efficiency.

Technical data

Voltage	DC 100-300 V, AC 230-240 V
Input current max	DC 10 A, AC 8.4 A
Protection rating	IP54
Dimensions	1650 x 250 x 250 mm including heating rod
Warranty	2 years

Distributor



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