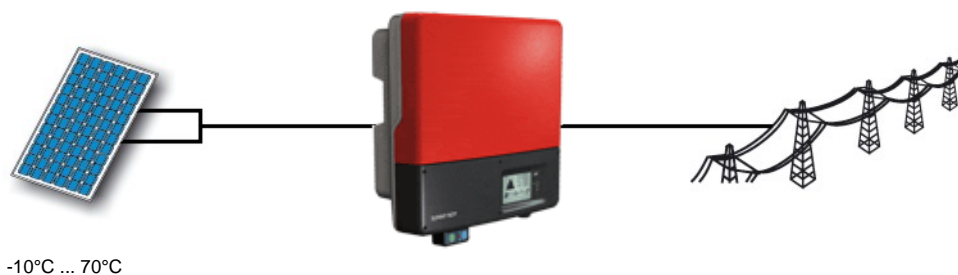


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### System overview (BULGARIA)



#### PV-module

A: Solar Swiss / SSM-170/24M  
B: Solar Swiss / SSM-170/24M

Total number of modules: 29

#### Inverter

Sunny Boy 5000TL-20  
Number: 1

Max. efficiency: 97 %; EU-efficiency: 96.5 %  
Max. DC power: 5.3 kW; Max. AC power: 5 kW  
Grid voltage/frequency: 240 V / 50 Hz

#### Technical data

PV peak power :	4.93 kW
Total number of modules :	29
Area of PV-generator :	37.7 m <sup>2</sup>
Number of inverters :	1
Max. DC power of inverter :	5.30 kW
Max. AC power of inverter :	5.00 kW
Inverter effectiveness :	95.2 %

Nominal power ratio :	108 %
Yearly en. yield * :	5884 kWh
Energy usability factor :	100.0 %
Performance Ratio * :	83 %
Spec. energy yield * :	1194 kWh/kWp
Cable losses (% in PV-Energy) :	Not considered

Signature ' \_\_\_\_\_

\* Important note: The calculation of the yield is based on estimated values and mathematical models. SMA is in no case liable for the real yield, which can e.g. deviate due to contamination or different efficiencies of the modules.