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System overview (BULGARIA)



-10°C ... 70°C

PV-module

Solar Swiss;
SSM-170/24M
Angle of inclination: 35°
Azimuth angle: 0°
Module x String: 14 x 4

Inverter

Sunny Mini Central 9000TL
Number: 9
Max. efficiency: 98.1 %; EU-efficiency: 97.7 %
Max. DC power: 9.3 kW; Max. AC power: 9 kW
Grid voltage/frequency: 240 V / 50 Hz

Technical data

PV peak power :	85.68 kW
Total number of modules :	504
Area of PV-generator :	655.2 m ²
Number of inverters :	9
Max. DC power of inverter :	83.70 kW
Max. AC power of inverter :	81.00 kW
Inverter effectiveness :	97.8 %

Nominal power ratio :	98 %
Yearly en. yield * :	105098 kWh
Energy usability factor :	100.0 %
Performance Ratio * :	85 %
Spec. energy yield * :	1227 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.