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System overview (Turkey / Istanbul)

-10°C ... 70°C

PV-module
'Solar Swiss;
150W/12V
Angle of inclination: 30°
Azimuth angle: 0°
Module x String: 27 x 2
DC-Cabel: Ø 6 mm²;
2 x 50 m / String

Inverter
Sunny Mini Central SMC 8000TL
Number: 9
Max. efficiency: 98 %; EU-efficiency: 97,7 %
Max. DC power: 8,25 kW; Max. AC power: 8 kW
Grid voltage/frequency: 240 V / 50 Hz
AC-Cabel: Ø 35 mm²; 50 m / Inverter

Technical data

PV peak power :	72,90 kW
Total number of modules :	486
Area of PV-generator :	631,8 m²
Number of inverters :	9
Max. DC power of inverter :	74,25 kW
Max. AC power of inverter :	72,00 kW
Inverter effectiveness :	97,6 %

Nominal power ratio :	102 %
Yearly en. yield * :	96743 kWh
Energy usability factor :	99,9 %
Performance Ratio * :	82 %
Spec. energy yield * :	1327 kWh/kWp
Cable losses (% in PV-Energy) :	0,4 %

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.