

# Check list

Project file: Tripower.SDPR

System overview

Inverter: 1 x Sunny Tripower STP 10000TL-10

Location: Bulgaria / Varna

PV-module temperatures

Minimum PV temperature: -10°C

Design temperature: 50°C

Maximum PV temperature: 70°C

PV-module

String A:

Suntech

STP210-18/Ud

Angle of inclination: 15°

Azimuth angle: 22°

String B:

Suntech

STP210-18/Ud

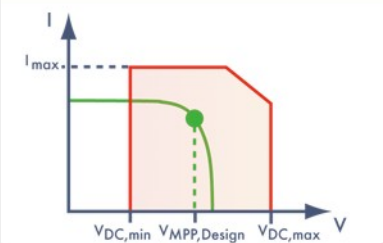
Angle of inclination: 15°

Azimuth angle: 22°

Technical data

Nominal power of PV-generator	10,08 kW	
Area of PV-generator	71,8 m²	
Number of inverters	1	
Power factor (cos φ)	1,00	
Max. DC power of inverter	10,40 kW	
Inverter max. AC effective power	10,00 kW	
Grid voltage [V]	230	
Total number of modules	48	
Nominal power ratio	103 % (ok)	
	String A:	String B:
String power (input)	10,08 kW	0,00 kW
Power proportion (input)	100 %	0 %
MPP-voltage of string at 15 °C	660 V (ok)	0 V
MPP-voltage of string at 50 °C	568 V (ok)	0 V
MPP-voltage of string at 70 °C	515 V (ok)	0 V
min. MPP-voltage, selected grid voltage: 230 V	150 V	150 V
Open-circuit voltage of string at -10 °C	898 V (ok)	0 V
Max. DC voltage permitted	1000 V(Inv)	1000 V(Inv)
Max. current of PV-generator	15,9 A (ok)	0,0 A
Max. DC current permitted	18,3 A	0,0 A
Number of strings (A:4, B:1 inputs)	2	0
Number of modules per string min=7; max=26	24	0

PV/INVERTER COMPATIBLE



PV generator configuration and inverter type are compatible nominal output ratio (max. DC output inverter/PV peak power) is in the standard range (80% ... 120%)