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Project name: **New project**
Project number:
Project file:

Location: United Kingdom / Copy of

Grid voltage: 1~240 V

System overview

8 x Ubbink Ubbink A 250 Mono (PV-array 1)
Azimuth angle: 0°, Inclination: 30°, Mounting type: Roof, PV peak power: 2.00 kWp

1 x SB 2000HF-30

Technical data

Total number of PV modules:	8	Energy usability factor:	100 %
PV peak power:	2.00 kWp	Performance ratio (approx.)*:	82.1 %
Number of inverters:	1	Spec. energy yield (approx.)*:	850 kWh/kWp
Nominal AC power:	2.00 kW	Line losses (in % of PV energy):	---
AC active power:	2.00 kW	Unbalanced load:	2.00 kVA
Active power ratio:	100 %	Self-consumption:	---
Annual energy yield (approx.)*:	1700.90 kWh	Self-consumption quota:	---

Sunny Design 2.20.1.R

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Signature

*Important: The yield values displayed are estimates. They are determined mathematically. SMA Solar Technology AG accepts no responsibility for the real yield value which can deviate from the yield values displayed here. Reasons for deviations are various outside conditions, such as soiling of the PV Modules or fluctuations in the efficiency of the PV modules.

Evaluation of design

Project name: New project
Project number:
Project file:

Part project 1

Location: United Kingdom / Copy of Birmingham
Cell temperature:
Record Low Temperature: -10.00 °C
Average High Temperature: 50.00 °C
Record High Temperature: 70.00 °C

1 x SB 2000HF-30

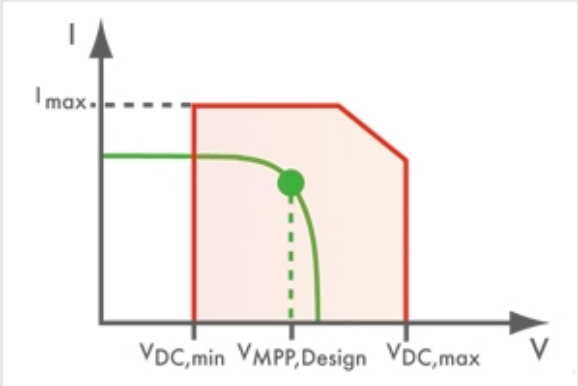
PV peak power:	2.00 kWp	
Total number of PV modules:	8	
Number of inverters:	1	
Max. DC power:	2.10 kW	
Max. AC power:	2.00 kW	
Grid voltage:	240 V	
Nominal power ratio:	105 %	✓

SB 2000HF-30

Technical data

Input A: PV-array 1
8 x Ubbink Ubbink A 250 Mono, Azimuth angle: 0°, Inclination: 30°, Mounting type: Roof

	Input A:	
Number of strings:	1	
PV modules per string:	8	
Peak power (input):	2.00 kWp	
Typical PV voltage:	217 V	✓
Min. PV voltage:	197 V	✓
Min. DC voltage (Grid voltage 240 V):	175 V	
Max. PV voltage:	337 V	✓
Max. DC voltage (Inverter):	700 V	
Max. current of PV array:	8.2 A	✓
Max. DC current:	12.0 A	



PV/Inverter compatible

Information

Project name: New project **Location: United Kingdom / Copy of Birmingham**
Project number:
Project file:

New project

The AC power of the planned single phase PV plant exceeds the specified unbalanced load limits.
1. Select the "Three-phase feed-in" option in the "grid connection" area.
2. Select another inverter if necessary. In doing so you change the power distribution over the three phases.

Sunny Design 2.20.1.R