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| | | |
|---|---|---|
| **Project name:** | **Henrik Clausen** | **Location: Denmark / Odense** |
| **Project number:** | #001 | |
| **Project file:** | Henrik Clausen.sdp2 | Grid voltage: 1~230 V |

## System overview

**30 x ZnshineSolar ZX5M-260 W Black (PV-Generator 1)**
Azimuth angle: 40°, Inclination: 30°, Mounting type: Roof, PV peak power: 7,80 kWp

**2 x SB 3000TL-21**

## Technical data

| | | | |
|---|---|---|---|
| Total number of PV modules: | 30 | Energy usability factor: | 99,5 % |
| PV peak power: | 7,80 kWp | Performance ratio (approx.)*: | 84,7 % |
| Number of inverters: | 2 | Spec. energy yield (approx.)*: | 945 kWh/kWp |
| Nominal AC power: | 6,00 kW | Line losses (in % of PV energy): | --- |
| AC active power: | 6,00 kW | Unbalanced load: | 6,00 kVA |
| Active power ratio: | 76,9 % | Self-consumption: | --- |
| Annual energy yield (approx.)*: | 7367,70 kWh | Self-consumption quota: | --- |

Sunny Design 2.30.0.R

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: Henrik Clausen**
Project number: #001
Project file: Henrik Clausen.sdp2

**Teilprojekt 1**

**Location: Denmark / Odense**
**Cell temperature:**
Record Low Temperature: -10,00 °C
Average High Temperature: 50,00 °C
Record High Temperature: 70,00 °C

## 2 x SB 3000TL-21

| | | |
|---|---|---|
| PV peak power: | 7,80 kWp | |
| Total number of PV modules: | 30 | |
| Number of inverters: | 2 | |
| Max. DC power (cos φ = 1): | 3,20 kW | |
| Max. AC active power (cos φ = 1): | 3,00 kW | |
| Grid voltage: | 230 V | |
| Nominal power ratio: | 82 % | ✓ |
| Displacement power factor cos φ: | 1 | |

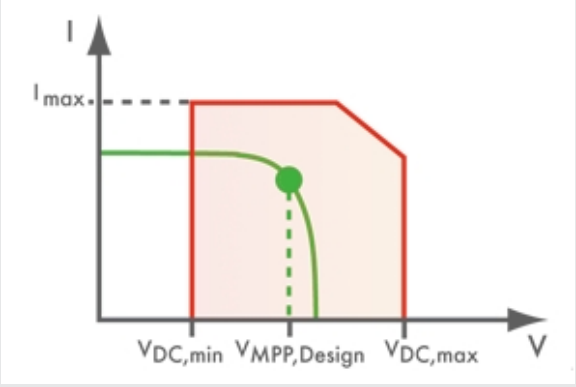
**SB 3000TL-21**

## Technical data

**Input A: PV-Generator 1**
9 x ZnshineSolar ZX5M-260 W Black, Azimuth angle: 40°, Inclination: 30°, Mounting type: Roof

**Input B: PV-Generator 1**
6 x ZnshineSolar ZX5M-260 W Black, Azimuth angle: 40°, Inclination: 30°, Mounting type: Roof

| | Input A: | Input B: |
|---|---|---|
| Number of strings: | 1 | 1 |
| PV modules per string: | 9 | 6 |
| Peak power (input): | 2,34 kWp | 1,56 kWp |
| Typical PV voltage: | 405 V ✓ | 270 V ✓ |
| Min. PV voltage: | 373 V ✓ | 249 V ✓ |
| Min. DC voltage (Grid voltage 230 V): | 125 V | 125 V |
| Max. PV voltage: | 595 V ✓ | 397 V ✓ |
| Max. DC voltage (Inverter): | 750 V | 750 V |
| Max. current of PV array: | 5,3 A ✓ | 5,3 A ✓ |
| Max. DC current: | 15,0 A | 15,0 A |




**PV/Inverter compatible**

Sunny Design 2.30.0.R