

SolaX Power

Division of Suntellite Group

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Project information

Project Name:	New project	Cell temperature:	
Project number:		Record Low Temperature:	-10 °C
Location:	Sweden/Stockholm	Average High Temperature:	50 °C
Grid AC voltage	Three phase~230/400 V	Record High Temperature:	70 °C

System overview

15 x DENIM solar P280-60-4 BB (PV array-1)

Azimuth:90°,Inclination:20°,PV peak power:4.2 kWp

15 x DENIM solar P280-60-4 BB (PV array-2)

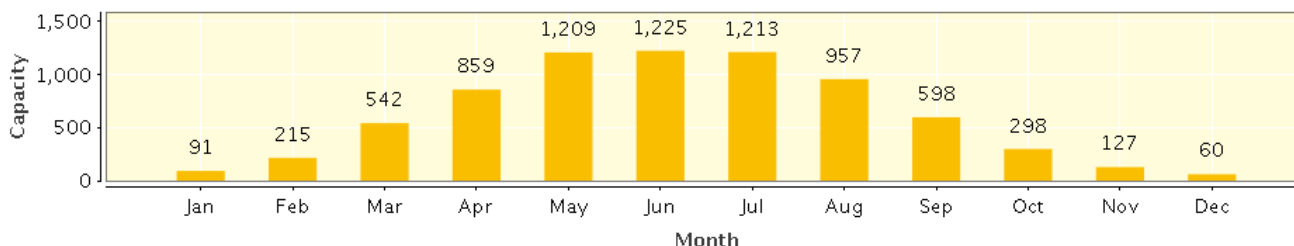
Azimuth:-90°,Inclination:20°,PV peak power:4.2 kWp



Technical data

Total number of PV modules:	30	PV peak power:	8.4 kWp
Number of inverters:	1	Nominal AC power:	7.0 kW
Annual energy yield (approx.):*	7392.72 kWh	Line losses:	---

Monthly Capacity (kWh)



Signature: _____

*Important: The yield values displayed are estimates. They are determined mathematically. Suntellite 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

X3-7.0-T-D

PV peak power:	8.4 kWp
Total number of PV modules:	30
Number of inverters:	1
Max. DC power (cos = 1.0):	8.4 kW
Max. AC active power (cos = 1.0):	7.0 kW
Grid AC voltage range:	230 V
Nominal power ratio:	100 % ✓
Displacement Power Factor cos :	1.0



X3-7.0-T-D

Technical data

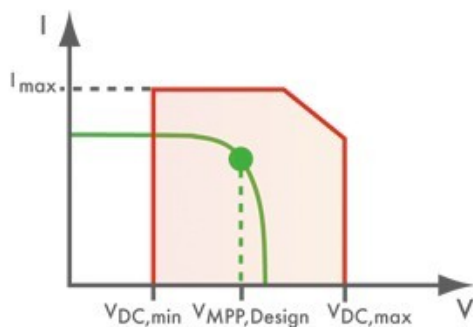
Input A: PV array-1

15 x DENIM solar P280-60-4 BB,Azimuth: 90 °,Inclination: 20 °

Input B: PV array-2

15 x DENIM solar P280-60-4 BB,Azimuth: -90 °,Inclination: 20 °

	Input A:		Input B:	
Number of strings:	1		1	
PV modules per string:	15		15	
Peak power (input):	4.2 kWp		4.2 kWp	
Typical PV voltage:	419 V	✓	419 V	✓
Min. PV voltage:	380 V	✓	380 V	✓
Min. DC voltage (Grid voltage 230 V):	160.0 V		160.0 V	
Max. PV voltage:	644 V	✓	644 V	✓
Max. DC voltage (PV):	1000.0 V		1000.0 V	
Max. current of PV array:	9.0 A	✓	9.0 A	✓
Max. DC current:	11.0 A		11.0 A	
Max. Short-circuit current:	14.0 A		14.0 A	



PV/Inverter compatible