
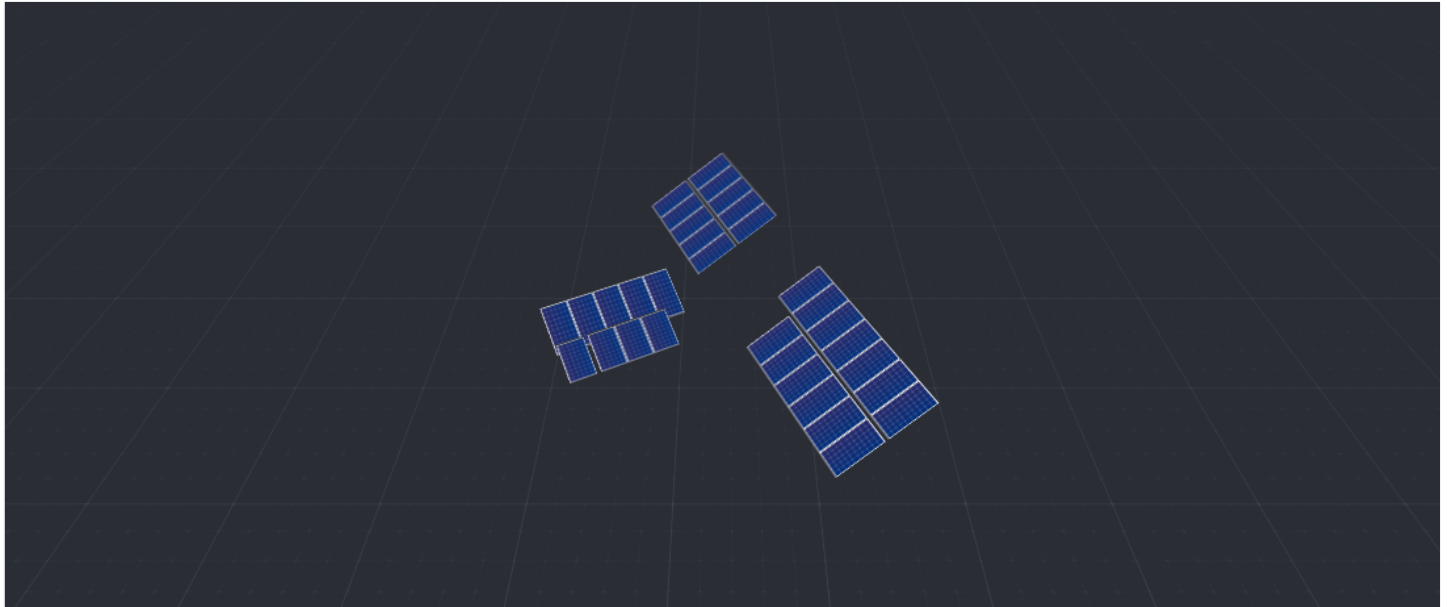


KARLSKRONA

Karlskrona, Sweden | May 21, 2022

NOTIFICATIONS

 Error: Electrical design invalid. Refer to Electrical Design for details.



SYSTEM OVERVIEW

 32 PV modules

 1 Inverters

 32 Optimizers

SIMULATION RESULTS



Installed DC Power

16.28 kWp



Max Achieved AC Power

12.50 kW



Annual Energy Production

N/A



CO2 Emission Saved

N/A



Equivalent Trees Planted

N/A



KARLSKRONA

Karlskrona, Sweden | May 21, 2022

ESTIMATED MONTHLY ENERGY

● Solar Production
 ● Consumption
 ● Self-consumption
 / Clipped Energy

kWh

PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
5	Suntech Power, STP525S-C72/Vmhb Full Black (user-defined)	2.6 kWp			154°	27°
23	Suntech Power, STP525S-C72/Vmhb Full Black (user-defined)	12.1 kWp			244°	27°
4	Suntech Power, STP395S-C54/Umhb Full Black	1.6 kWp			154°	27°
Total:	32	16.3 kWp				

BILL OF MATERIALS (BOM)



Items	Quantity	Price (kr)	Total (kr)
 SE12.5K	1		




KARLSKRONA

Karlskrona, Sweden | May 21, 2022

BILL OF MATERIALS (BOM) (CONTINUED)

Items	Quantity	Price (kr)	Total (kr)
 S500	32		
 STP525S-C72/Vmhb Full Black	28		

ELECTRICAL DESIGN

Inverters & Storage	Strings per inverter	Optimizers per string	PV modules per string
 1 x SE12.5K 14.79kW 118%	 2 x strings	 16 x S500	 16

SYSTEM LOSS DIAGRAM (INVALID ELECTRICAL DESIGN)**SIMULATION PARAMETERS****LOCATION & GRID**

Time zone	GMT+2 (Stockholm)
Weather station	Karlskrona (0.65 km away)
Station altitude	3 m
Station data source	Meteonorm 7.1
Grid	400V L-L, 230V L-N

**LOSS FACTORS**

Near shading	Enabled
Albedo	0.20
Soiling/Snow	0%
Incidence angle modifier (IAM), ASHRAE b0 param.	0.05
Thermal loss factor U_c (const) Flush mount	20
Thermal loss factor U_c (const) Tilted	29
LID loss factor	0%
System unavailability	0%