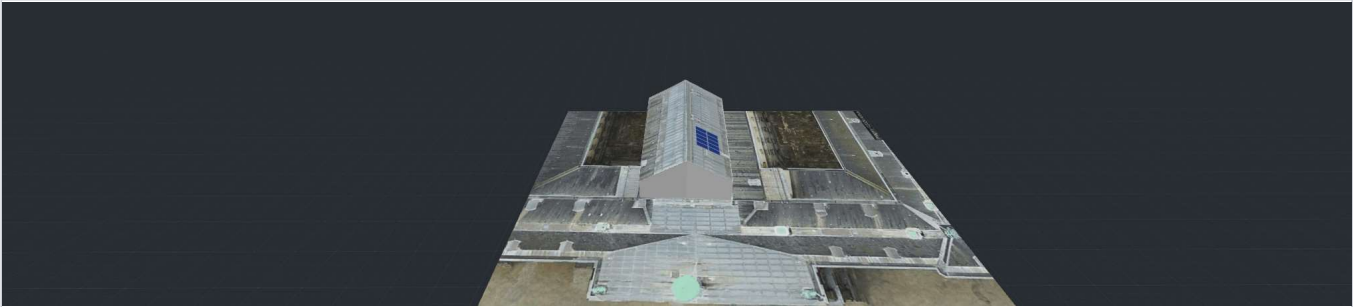


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SYSTEM OVERVIEW

10 PV modules

1 Inverter

10 Optimizers

SIMULATION RESULTS

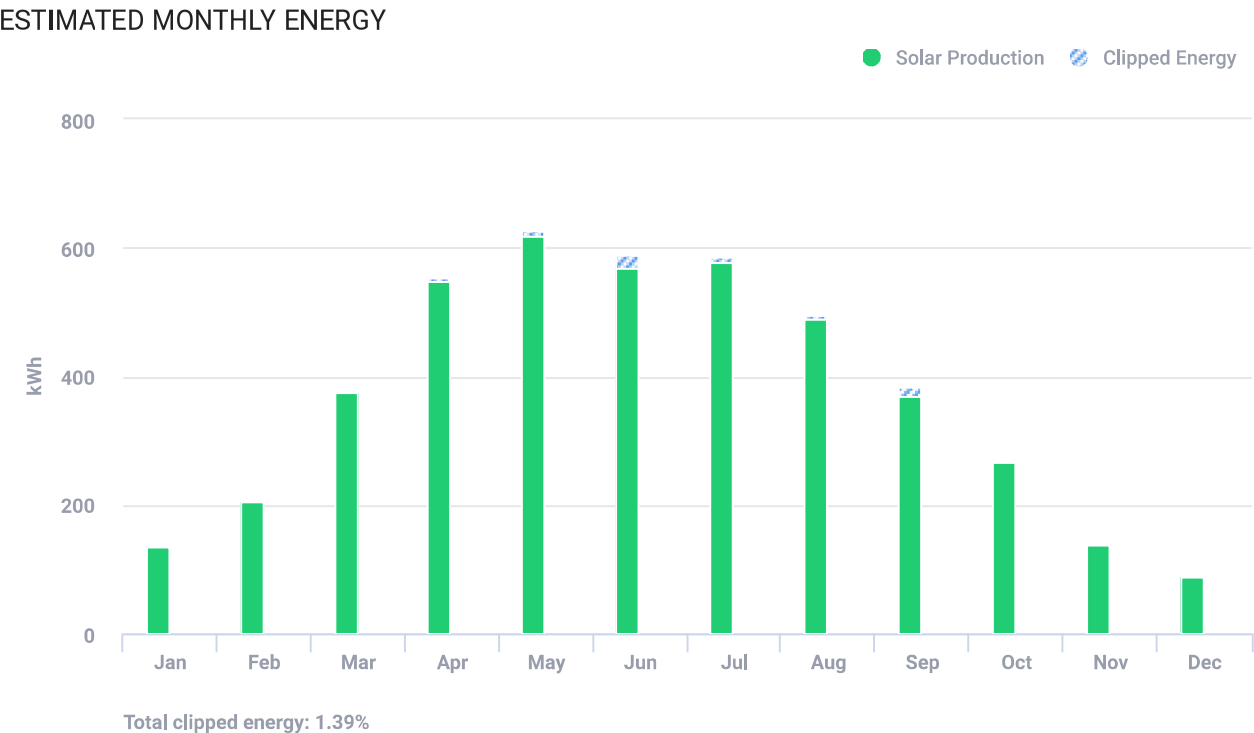
Installed DC Power
4.25 kWp

Max Achieved AC Power
3.00 kW

Annual Energy Production
4.38 MWh

CO2 Emission Saved (Annually)
2.21 t

Equivalent Trees Planted (Annually)
102



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PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
10	QCells, Q.PEAK DUO L-G6 - 425W (user-defined)	4.3 kWp			181°	29°
Total:	10	4.3 kWp				

BILL OF MATERIALS (BOM)

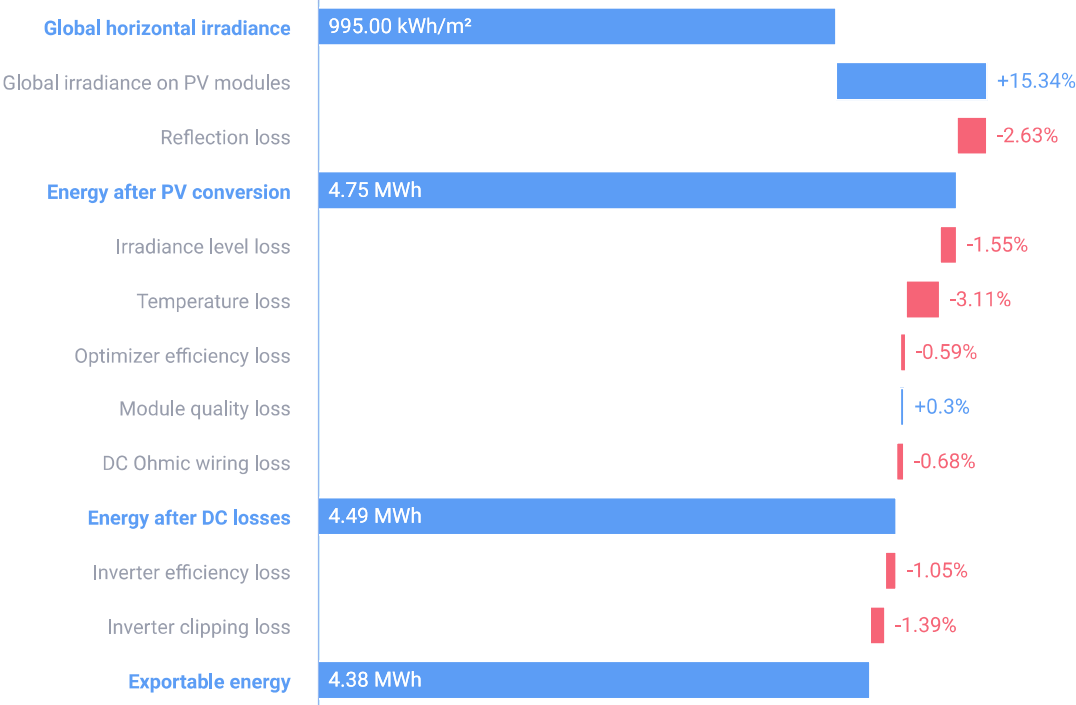
Items	Part Number	Quantity	Price (€)	Total (€)
	SE3000H Home Wave	1		
	S440	10		
	Q.PEAK DUO L-G6 - 425W	10		

ELECTRICAL DESIGN

Inverters & Storage	Strings per inverter	Optimizers per string	PV modules per string
1 x SE3000H Home Wave 4.23kW 141% Oversizing	1 x string	10 x S440	10

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SYSTEM LOSS DIAGRAM



SIMULATION PARAMETERS



LOCATION & GRID

Time zone	GMT+2 (Amsterdam)
Weather station	Amsterdam (11.73 km away)
Station altitude	1 m
Station data source	Meteonorm 7.1
Grid	400V L-L, 230V L-N



LOSS FACTORS

Near shading	Enabled
Albedo	0.20
Bi-Facial Albedo	0.30
Soiling/Snow	0%
Incidence angle modifier (IAM), ASHRAE b0 param.	0.05
Thermal loss factor Uc (const) Flush mount	20
Thermal loss factor Uc (const) Tilted	29
LID loss factor	0%
System unavailability	0%