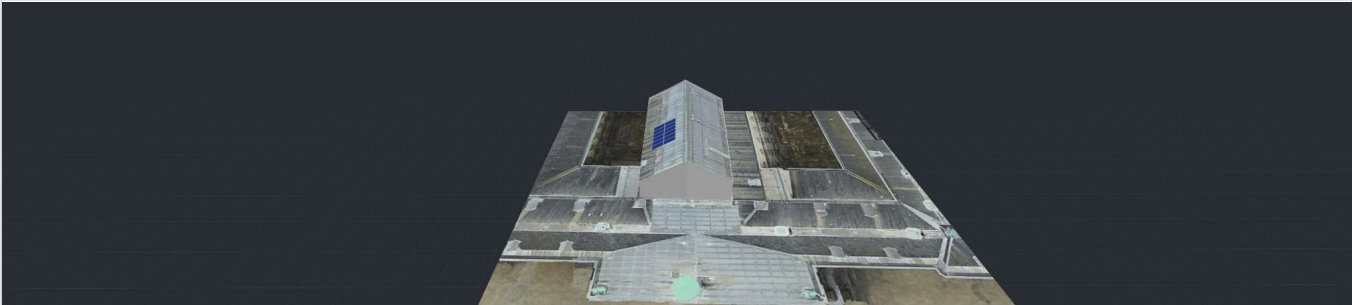


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SYSTEM OVERVIEW

 12 PV modules


 1 Inverter


 12 Optimizers


SIMULATION RESULTS

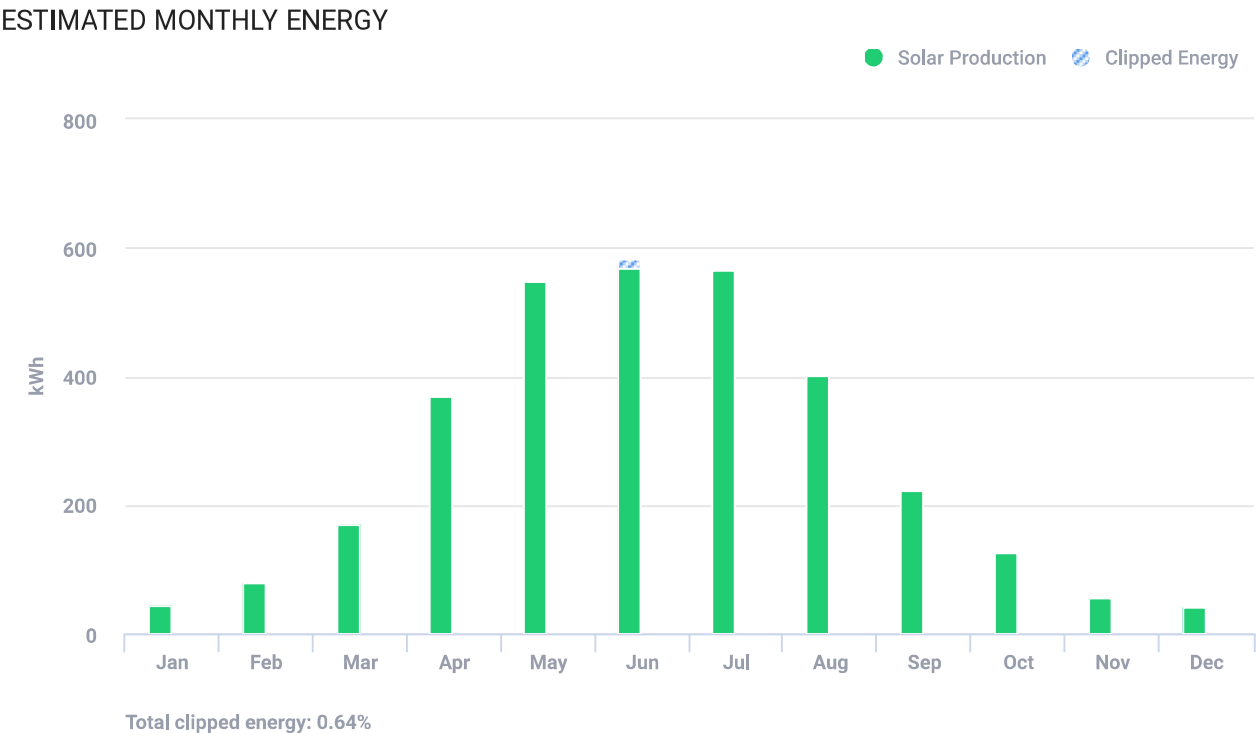

Installed DC Power
5.10 kWp


Max Achieved AC Power
2.20 kW


Annual Energy Production
3.19 MWh


CO2 Emission Saved (Annually)
1.61 t




Equivalent Trees Planted (Annually)
74






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PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
12	QCells, Q.PEAK DUO L-G6 - 425W (user-defined)	5.1 kWp			1°	30°
Total:	12	5.1 kWp				

BILL OF MATERIALS (BOM)

Items	Part Number	Quantity	Price (€)	Total (€)
 SE2200H Home Wave		1		
 S440		12		
 Q.PEAK DUO L-G6 - 425W		12		

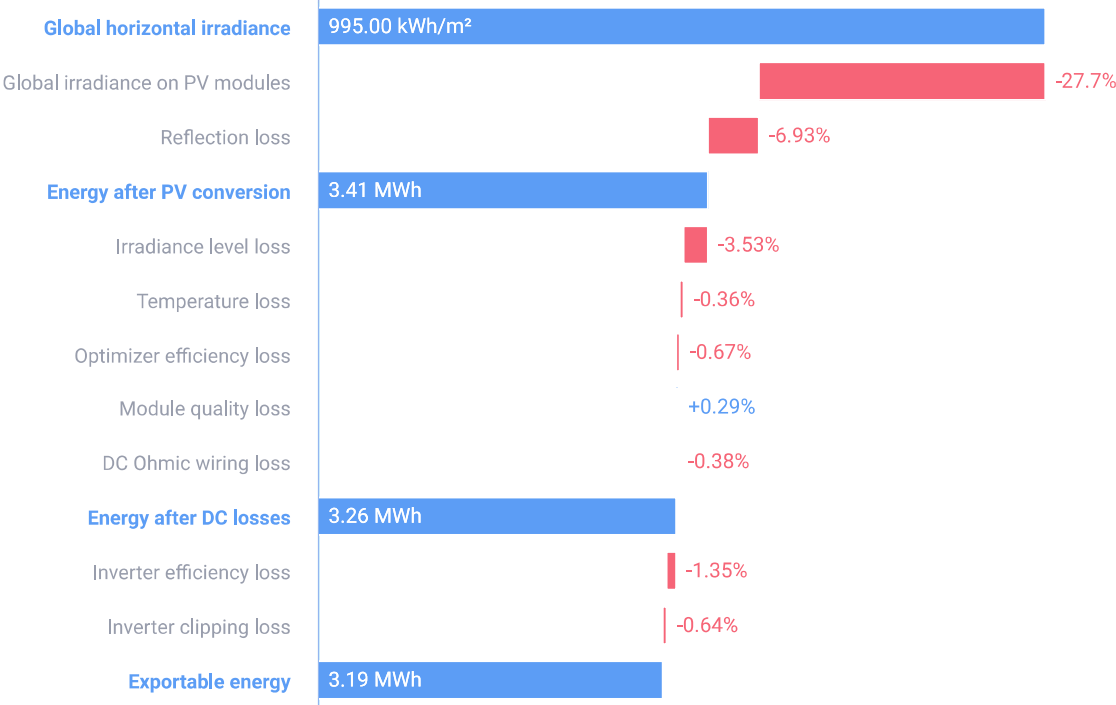
ELECTRICAL DESIGN

Inverters & Storage	Strings per inverter	Optimizers per string	PV modules per string
 1 xSE2200H Home Wave 2.92kW 133% Oversizing	 1 x string	 12 x S440	 12

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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%