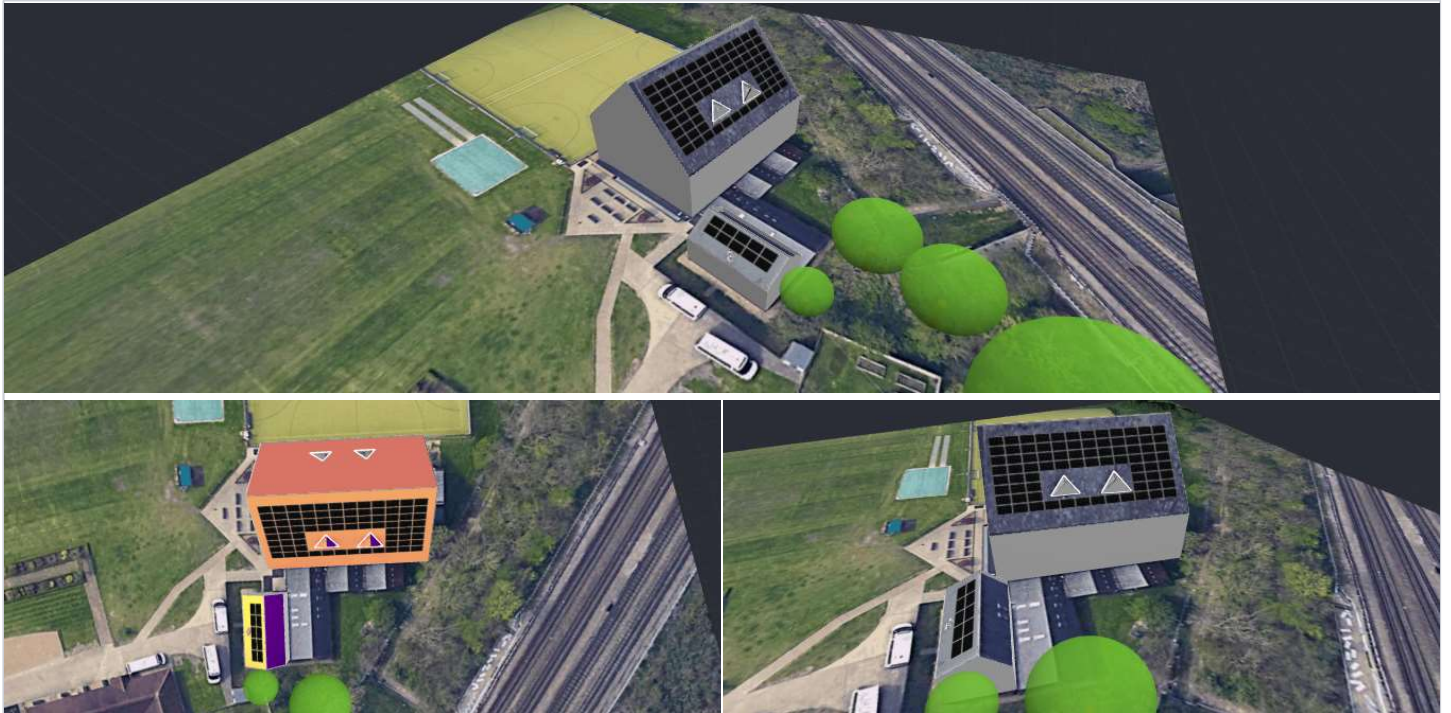


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SYSTEM OVERVIEW


 **88** PV modules


 **1** Inverter


 **44** Optimizers

SIMULATION RESULTS


Installed DC Power
38.28 kWp


Max Achieved AC Power
30.00 kW


Annual Energy Production
33.07 MWh

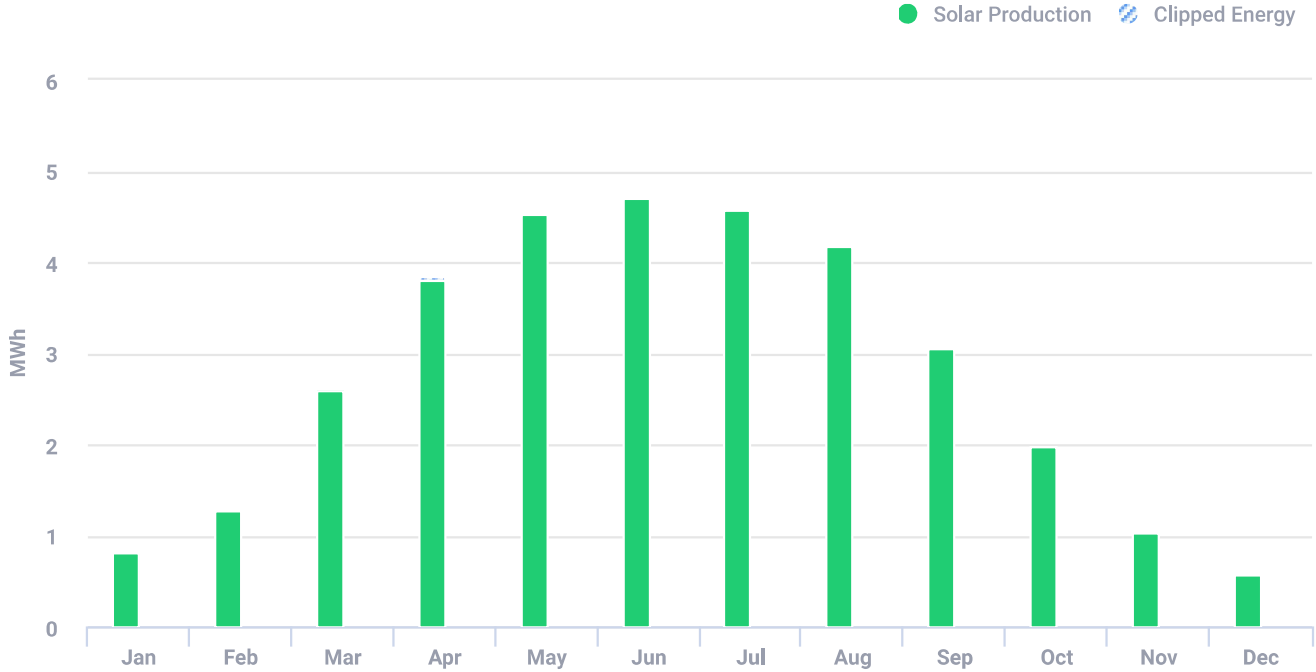

CO2 Emission Saved (Annually)
6.39 t


Equivalent Trees Planted (Annually)
294

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ESTIMATED MONTHLY ENERGY



Total clipped energy: 0.14%

PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
78	Trina Solar Energy, TSM-435NEG9R.28 (Vertex S+)	33.9 kWp			103°	46°
10	Trina Solar Energy, TSM-435NEG9R.28 (Vertex S+)	4.4 kWp			194°	29°
Total:	88	38.3 kWp				






BILL OF MATERIALS (BOM)

Items	Part Number	Quantity	Price (£)	Total (£)
SE30K		1		
S1000		44		
TSM-435NEG9R.28 (Vertex S+)		88		

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ELECTRICAL DESIGN

Inverters & Storage	Strings per inverter	Optimizers per string	PV modules per string
 1 x SE30K 35.21kW 117% Oversizing	∞ 1 x string	 21 x S1000 (2:1)	 42
	∞ 1 x string	 23 x S1000 (2:1)	 46