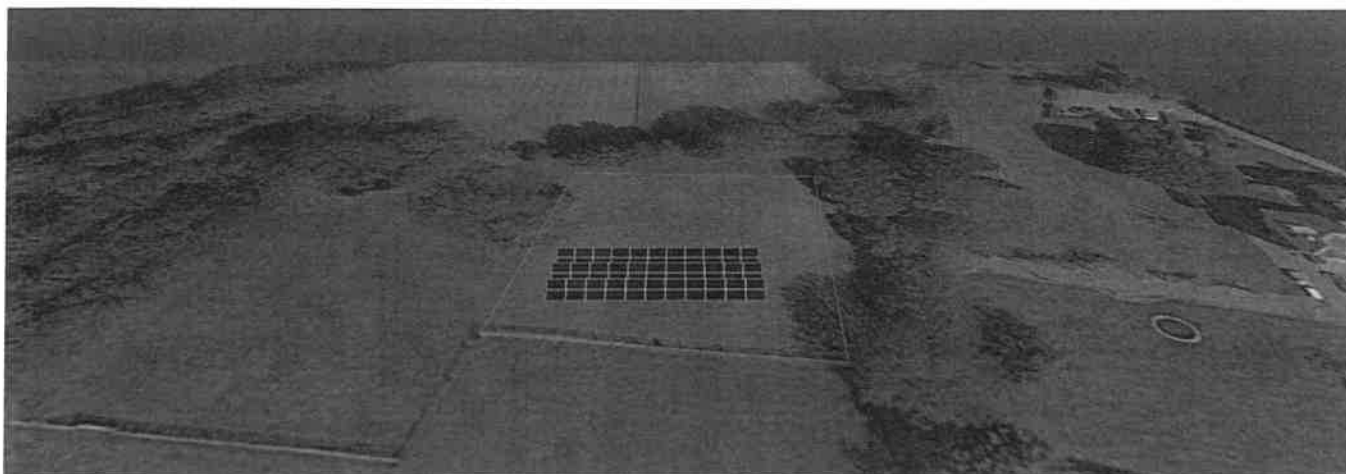


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SYSTEM OVERVIEW

 66 PV modules

 1 Inverters

 33 Optimizers

SIMULATION RESULTS


Installed DC Power
25.41 kWp


Max Achieved AC Power
22.50 kW


Annual Energy Production
23.30 MWh


CO2 Emission Saved
6.55 t

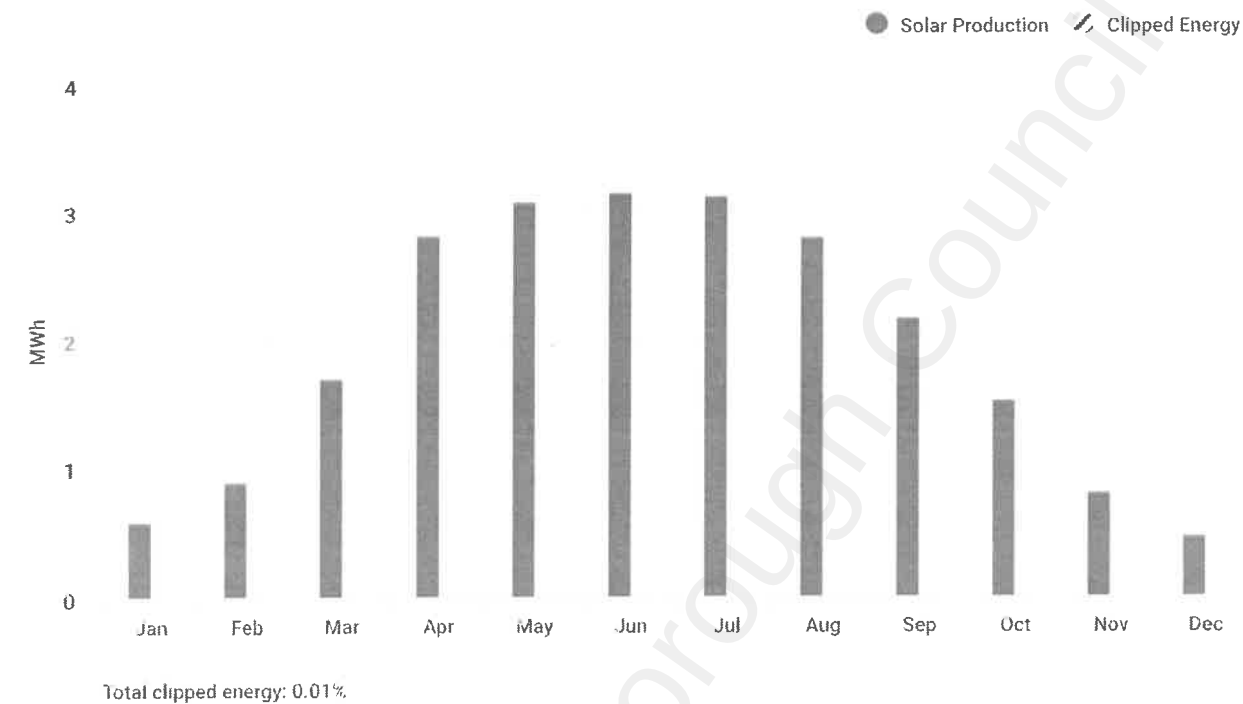

Equivalent Trees Planted
301

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ESTIMATED MONTHLY ENERGY



PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
66	Hanwha Q.Cells GmbH, Q.PEAK DUO ML-G9 385 (user-defined)	25.4 kWp			180°	40°
Total:	66	25.4 kWp				

BILL OF MATERIALS (BOM)

Items	Quantity
 SE25K	1
 P801	33
 Q.PEAK DUO ML-G9 385	66

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ELECTRICAL DESIGN

Inverters & Storage

1 x SE25K
25kW | 100%

Strings per inverter

1 x string

1 x string

Optimizers per string



16 x P801 (2:1)



17 x P801 (2:1)

PV modules per string

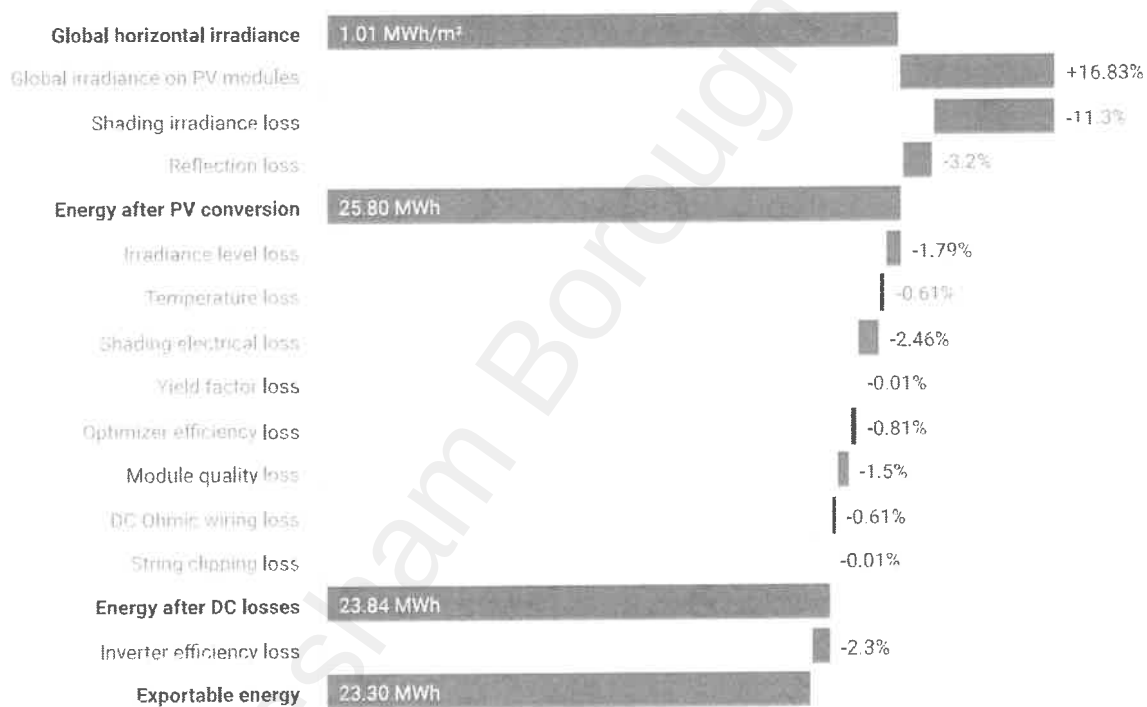


32



34

SYSTEM LOSS DIAGRAM



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SIMULATION PARAMETERS



LOCATION & GRID

Time zone	GMT+1 (London)
Weather station	Sevenoaks (14.29 km away)
Station altitude	135 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%