

SALISBURY PHASE 2 - BLOCK 26 & 27

Odstock Road 22B, Salisbury, SP2 8BJ, United Kingdom | 15 Jan 2026



SYSTEM OVERVIEW



154 PV modules



1 Inverter



78 Optimizers

SIMULATION RESULTS



Installed DC Power

58.52 kWp



Max Achieved AC Power

33.30 kW



Annual Usable Solar
Production

57.37 MWh



Annual CO₂ Emission Saved

11.09 t



Annual Equivalent Trees
Planted

510

ANNUAL CONSUMPTION AND PRODUCTION RESULTS

Total Production

58.47 MWh



Consumption

0.00 Wh

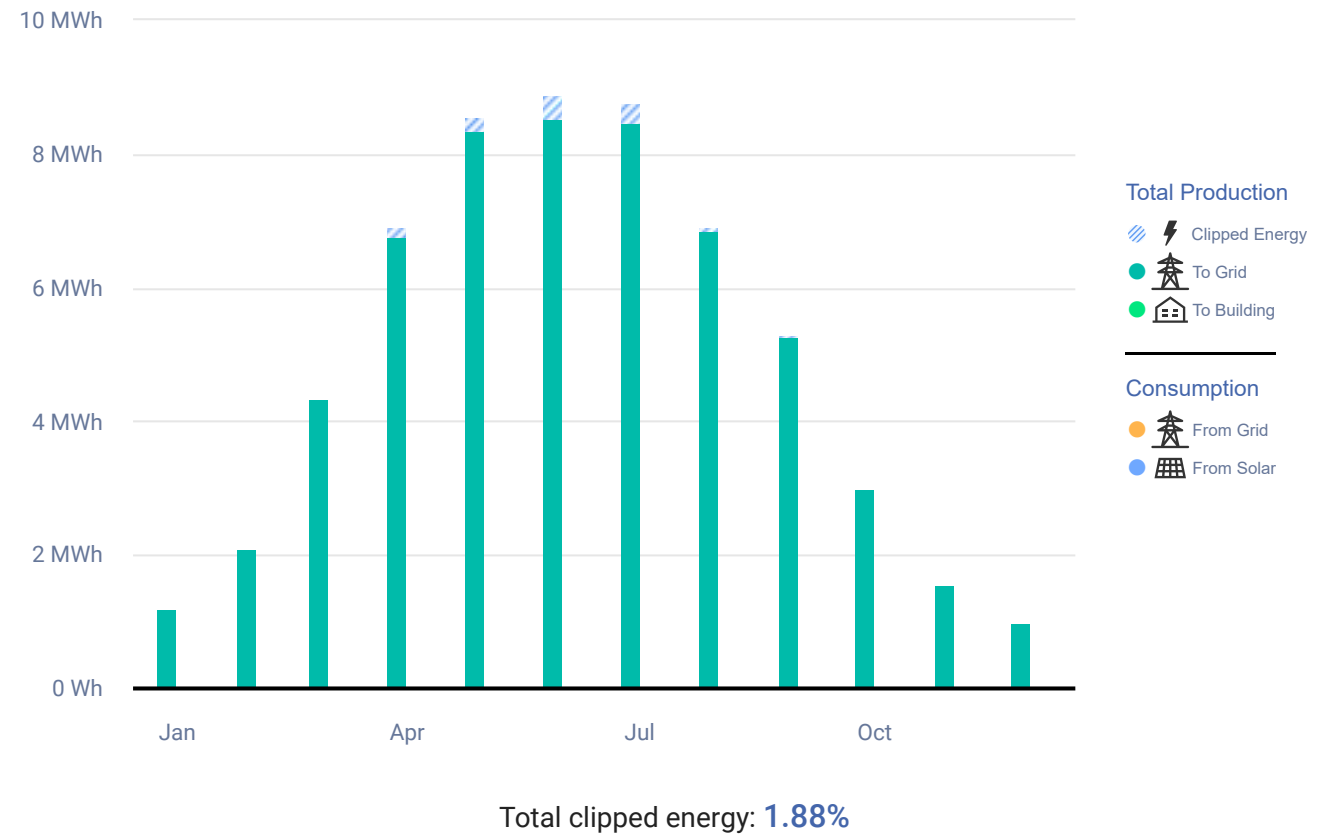
0% Energy from solar

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ESTIMATED MONTHLY ENERGY



PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
36	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	13.7 kWp			284°	10°
36	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	13.7 kWp			104°	10°
36	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	13.7 kWp			284°	10°
3	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	1.1 kWp			106°	10°

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PV MODULES (CONTINUED)

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
36	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	13.7 kWp			104°	10°
2	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	0.8 kWp			286°	10°
3	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	1.1 kWp			286°	10°
2	Trina Solar Energy, TSM-380DE08M.08 (II) (THE HONEY framed)	0.8 kWp			106°	10°
Total: 154		58.5 kWp				

BILL OF MATERIALS (BOM)

Items	Part Number	Quantity	Price (£)	Total (£)
SE33.3K 33.3kW, MC4, DC safety unit with switch, AC/DC SPD, AC/DC Segregation	SE33.3K-RW00IBNJ4	1	1470.00	1,470.00
P801		78		
TSM-380DE08M.08 (II) (THE HONEY framed)		154		
Total Price: £ 1,470.00				

ELECTRICAL DESIGN

Inverters & Storage	Strings per inverter	Optimizers per string	PV modules per string
1 xSE33.3K 51.57kW 155% Oversizing	⌵ 2 x strings	19 x P801 (2:1), 1 x P801 (1:1)	39
	⌵ 2 x strings	19 x P801 (2:1)	38

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SYSTEM LOSS DIAGRAM



SIMULATION PARAMETERS



LOCATION & GRID

Time zone	GMT (London)
Weather station	Boscombe Down (13 km away)
Station altitude	124 m
Station data source	Meteonorm 8.2
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%