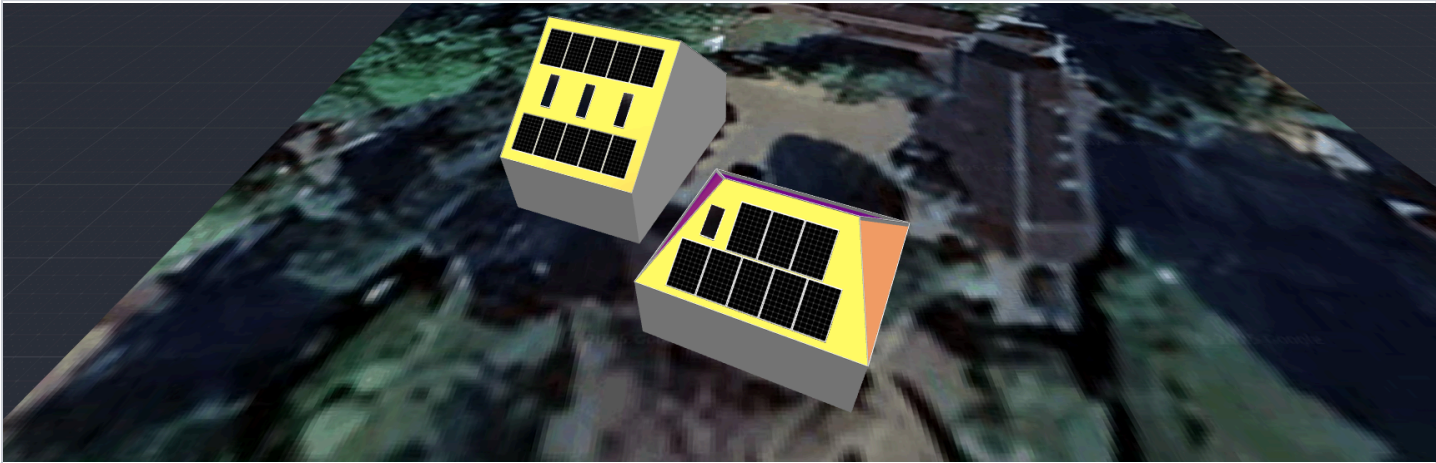


JOHN DAVIS 2

Pulborough, United Kingdom | Oct 10, 2025



SIMULATION RESULTS



Installed DC Power

8.1 kWp



Max Achieved AC Power

7 kW



Annual Usable Solar Production

10,015 kWh



Annual CO₂ Emission Saved

1.94 t



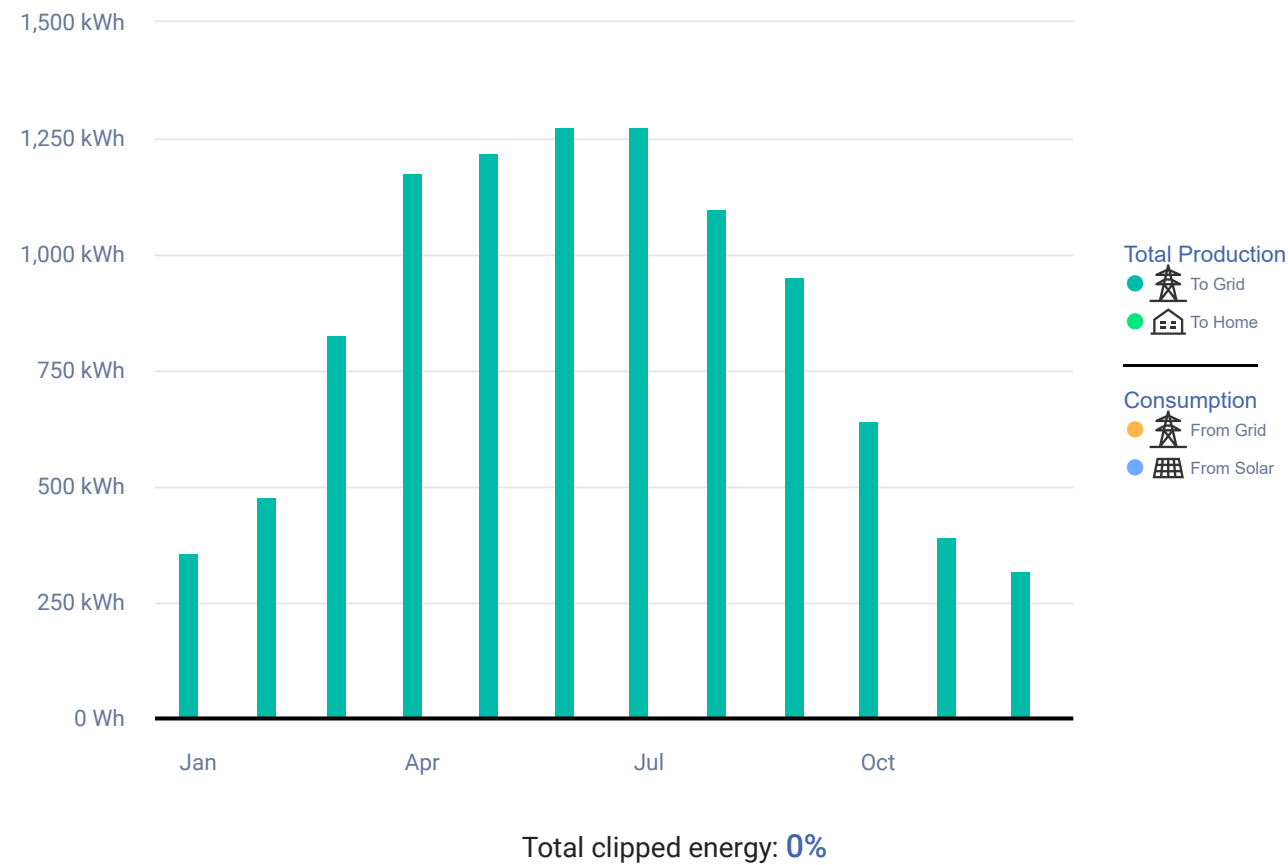
Annual Equivalent Trees Planted

89

JOHN DAVIS 2
Pulborough, United Kingdom | Oct 10, 2025



ESTIMATED MONTHLY ENERGY

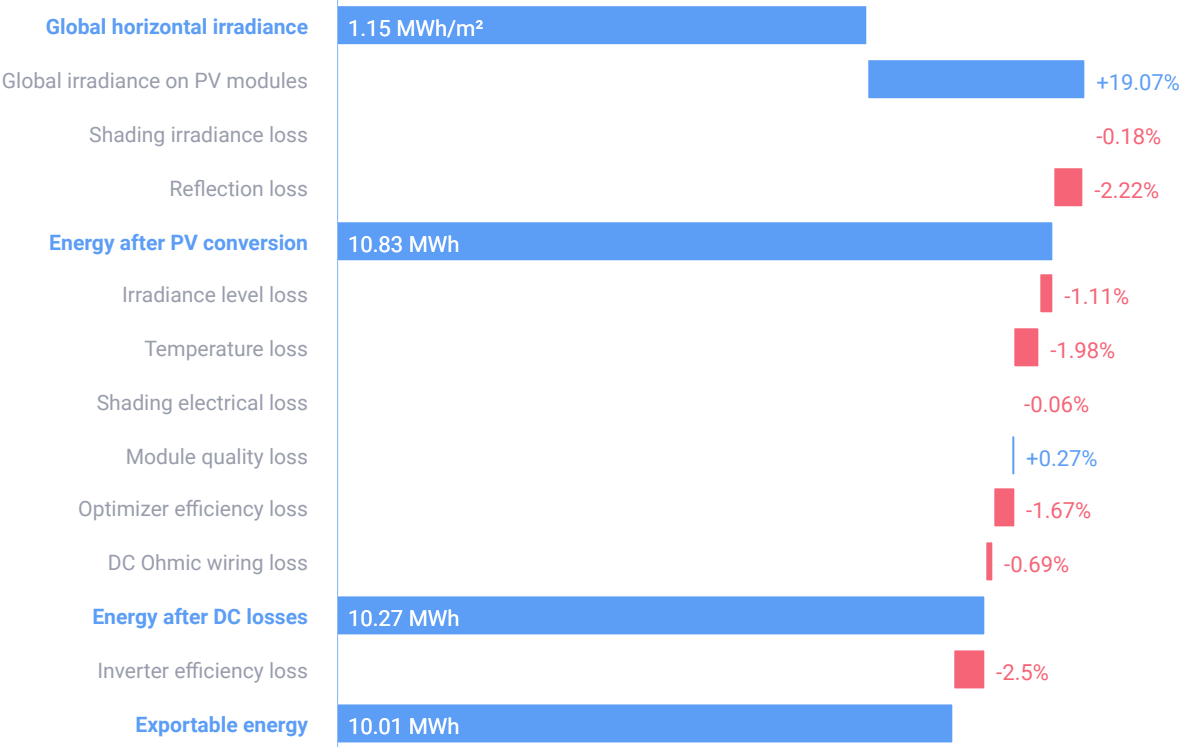


JOHN DAVIS 2

Pulborough, United Kingdom | Oct 10, 2025



SYSTEM LOSS DIAGRAM



SIMULATION PARAMETERS



LOCATION & GRID

Time zone	GMT+1 (London)
Weather station	Shoreham-by-Sea (12 km away)
Station altitude	2 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%