

CASTLETON PRIMARY SCHOOL (450W PANELS)

Newchurch Street 55, Rochdale, OL11 2UP, United Kingdom | 19 Sept 2022



NOTIFICATIONS

 Warning: There is a yield factor loss of 4.74% in this design.



SYSTEM OVERVIEW

 55 PV modules

 3 Inverters

 55 Optimizers

 1 Batteries

SIMULATION RESULTS



Installed DC Power

24.75 kWp



Max Achieved AC Power

21.00 kW



Annual Energy Production

13.71 MWh



CO2 Emission Saved

3.19 t



Equivalent Trees Planted

147

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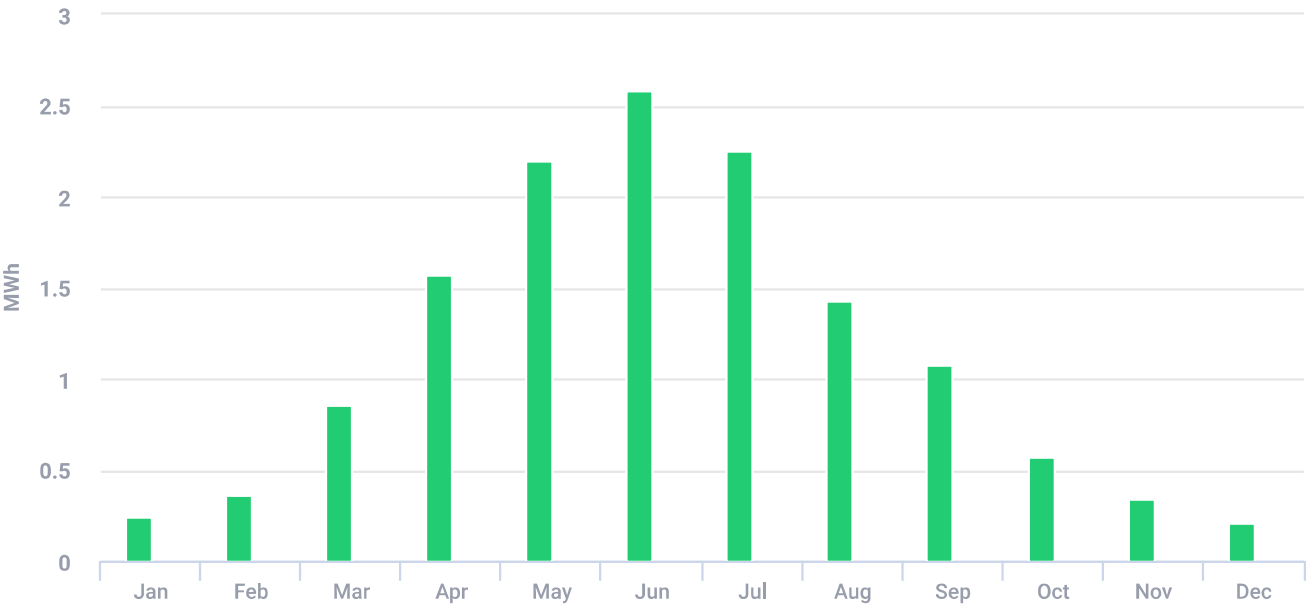
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ESTIMATED MONTHLY ENERGY

Solar Production

Clipped Energy



Total clipped energy: 0.04%

PV MODULES

# Module	Model	Peak power	Racking type	Orientation	Azimuth	Tilt
55	Longi Solar, LR4-72HBD-450M	24.8 kWp			207°	43°
Total:	55	24.8 kWp				