

25th Feb 2026

URBAN HIVE

Our Ref: STPAU-PV-N170NE

PV Estimate

Chelsfield Solar – MCS accredited installer NIC5582

Project name: **88 St Pauls Rd**

Location: **88 St Pauls Road, Haringey N17 0NE**

System overview

Stated PV requirement: Maximise roof – 4kWp

Planning consent: Please let us know if the planners require any additional information about the system.

Grid voltage: 230V single-phase (assumed)

Grid connection: G99 to landlord's supply, one PV system (assumed)

PV modules:

10 x Monocrystalline solar PV panels
Manufacturer: Trina Solar
Model: 450W mono
MCS Product Code: TBC

Peak power:
4.5 kWp

Mounting type:
Flat roof ballasted
mounting system

Inverter(s):
Solis 4kW

Technical data

Installed capacity of PV system – kWp (stc)	4.5kWp	Estimated annual output (kWp x K _k x SF)*	4,032kWh*
Number of PV modules	10	Estimated CO ₂ saving per year (kg)*	802kg
Orientation – degrees from South	0°	Postcode region for MCS irradiance	1
Inclination – degrees from horizontal	10°	kWh/kWp (K _k) MCS irradiance	896
		Shade factor (SF)**	1**

**The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure and is given as guidance only. It should not be considered as a guarantee of performance. This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.*

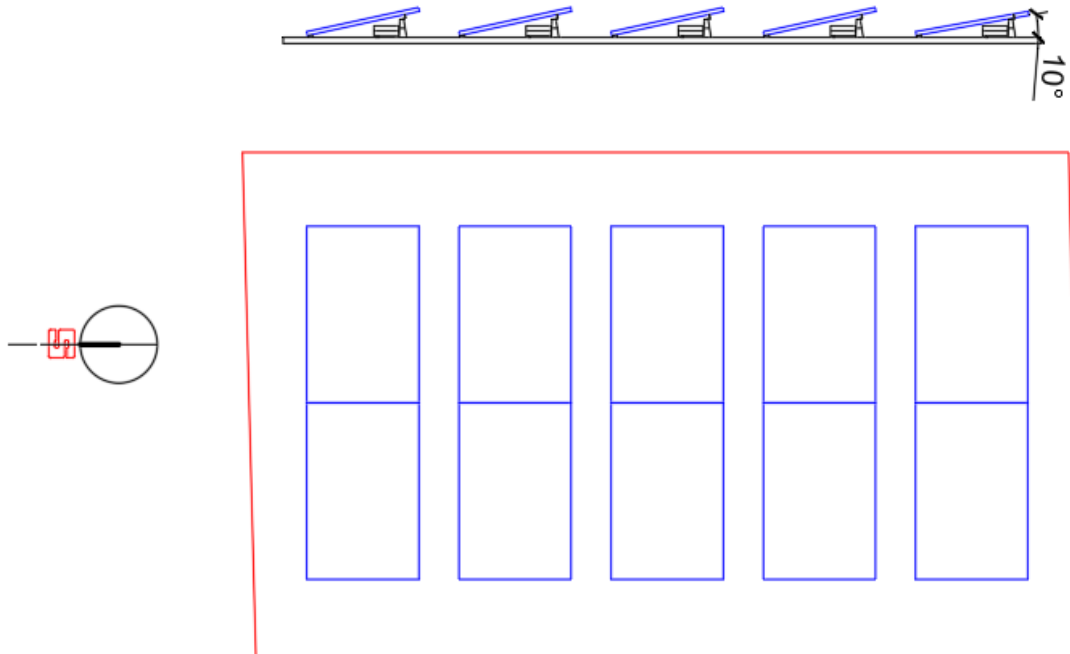
***Shade assessment subject to further information and site survey*





Preliminary Draft PV Layout – N.T.S.

For discussion purposes only



Summary of Chelsfield Solar PV proposal and project methodology

The PV panels will be mounted on a flat roof mounting system.

- After a site visit or on receipt of a full set of drawings in .dwg format we will confirm the layout of the panels to ensure the system(s) can be fitted, and that there is no further reduction in performance due to shading.
- Roof type needs to be confirmed to ensure framework system including fixing detail and inclination is suitable.
- If awarded the job we shall carry out a technical site survey at an appropriate stage in the build to confirm measurements and details.
- Following wind uplift calculations we shall supply information about the weight of the PV system for structural calculations by the project team.
- Our PV installations are carried out and commissioned to the latest BS 7671, BS EN 61215, BS EN 62446
- Once the PV installation is complete we will issue full O&M manual(s).

Our Company Standards

Chelsfield Solar has been trading since 2002 and we design, supply, install and commission grid-connected solar electric (PV) systems. We have a wealth of experience in retrofit and new-build projects across all construction sectors. We have designed and installed PV systems on everything from railway stations and churches to schools, industrial units and large new-build residential developments. We are used to working with engineers, architects and other trades as part of large project teams and to tight construction schedules.

Working mainly on roofs, we take our responsibility for site safety extremely seriously. All our installation team are fully-trained employees of Chelsfield Solar who all have CSCS cards and working at height certification.

We work mainly in London, the South East of England and East Anglia. We offer a turnkey service from mounting of PV modules right to final AC electrical connections at a distribution board if required.

Chelsfield Solar are fully accredited to install MCS compliant PV systems and we employ our own installers and electricians; we do not sub-contract our work out to others. We are also NICEIC accredited electrical contractors.

Chelsfield Solar have the following insurance indemnity limits:

- | | |
|------------------------------|-------------|
| • Employers Liability | £10,000,000 |
| • Public /Products Liability | £10,000,000 |
| • Professional Indemnity | £5,000,000 |