

Panel Specification Notes

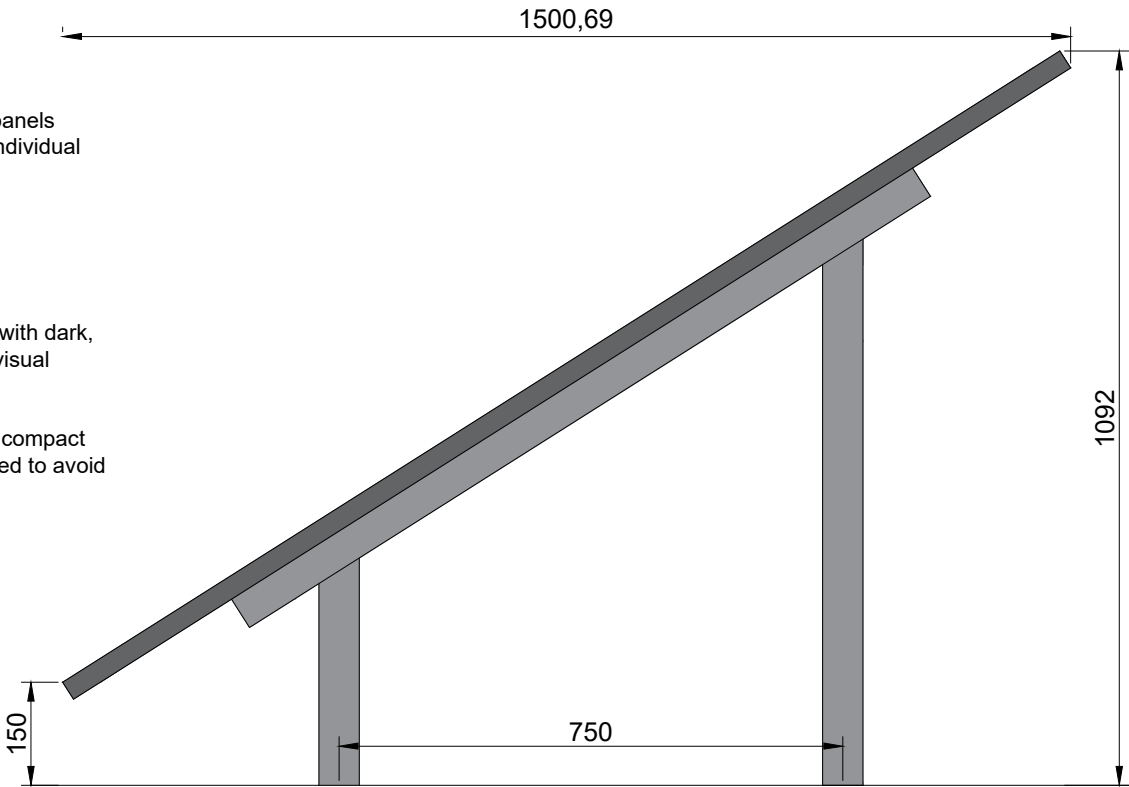
Solar modules to be AIKO Neostar 2S Mono-Glass panels (440–470W range) or equivalent, with approximate individual panel dimensions:

1757mm (H) x 1134mm (W) x 30mm (D)

Approx. weight 21.5kg per panel

Panels finished in black anodised aluminium frames with dark, non-reflective glass, selected to minimise glare and visual impact.

Panels mounted in portrait orientation, arranged in a compact array as shown on the site plan, with spacing designed to avoid self-shading and allow airflow beneath panels.



Support Structure & Foundations

Panels supported on a galvanised or powder-coated steel frame, designed specifically for ground-mounted domestic PV installations.

Vertical supports fixed into the ground using driven posts or concrete footings, sized to suit ground conditions and wind loading requirements.

No continuous concrete slab or hardstanding is proposed; ground beneath and around the panels remains permeable.

Installation is fully reversible, with all supports capable of being removed and the ground reinstated if required.

Ground Clearance & Section Notes

Minimum ground clearance maintained beneath the lowest edge of the panels to:

allow natural drainage,

prevent ground contact,

enable routine maintenance and grass management.

Existing ground levels retained; no cut-and-fill operations required beyond localised footing installation.

Planning & Visual Impact Notes

The installation is ancillary to the residential use of the dwelling and does not represent commercial energy generation.

The siting behind existing boundary walls ensures limited visibility from neighbouring properties and public vantage points.

The development preserves the character of the site and surrounding area and causes no unacceptable impact on residential amenity or landscape character.

Cabling & Ancillary Works

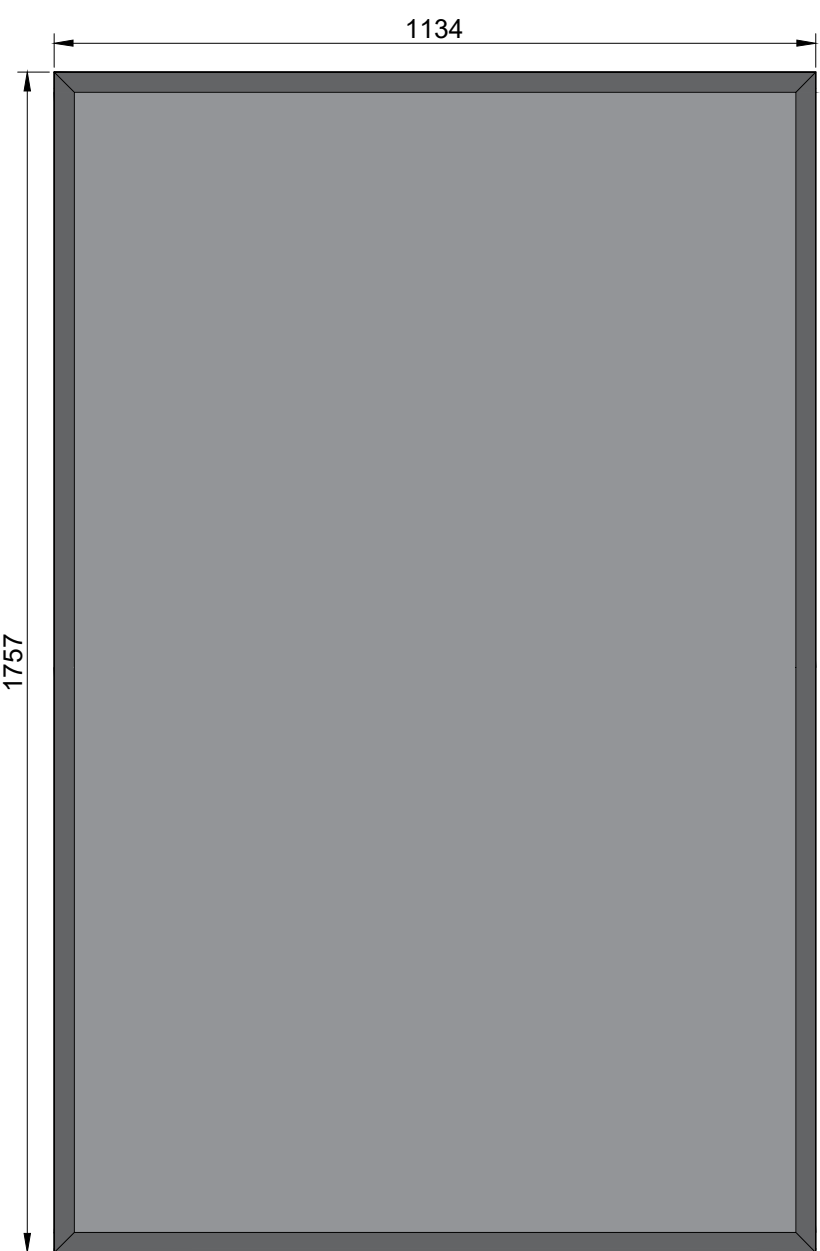
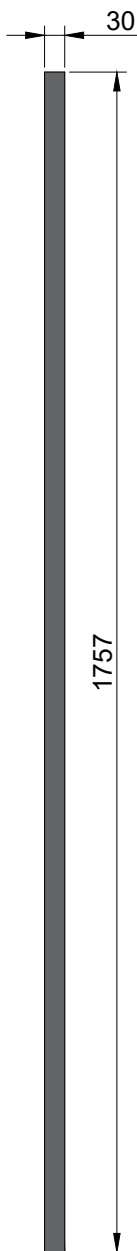
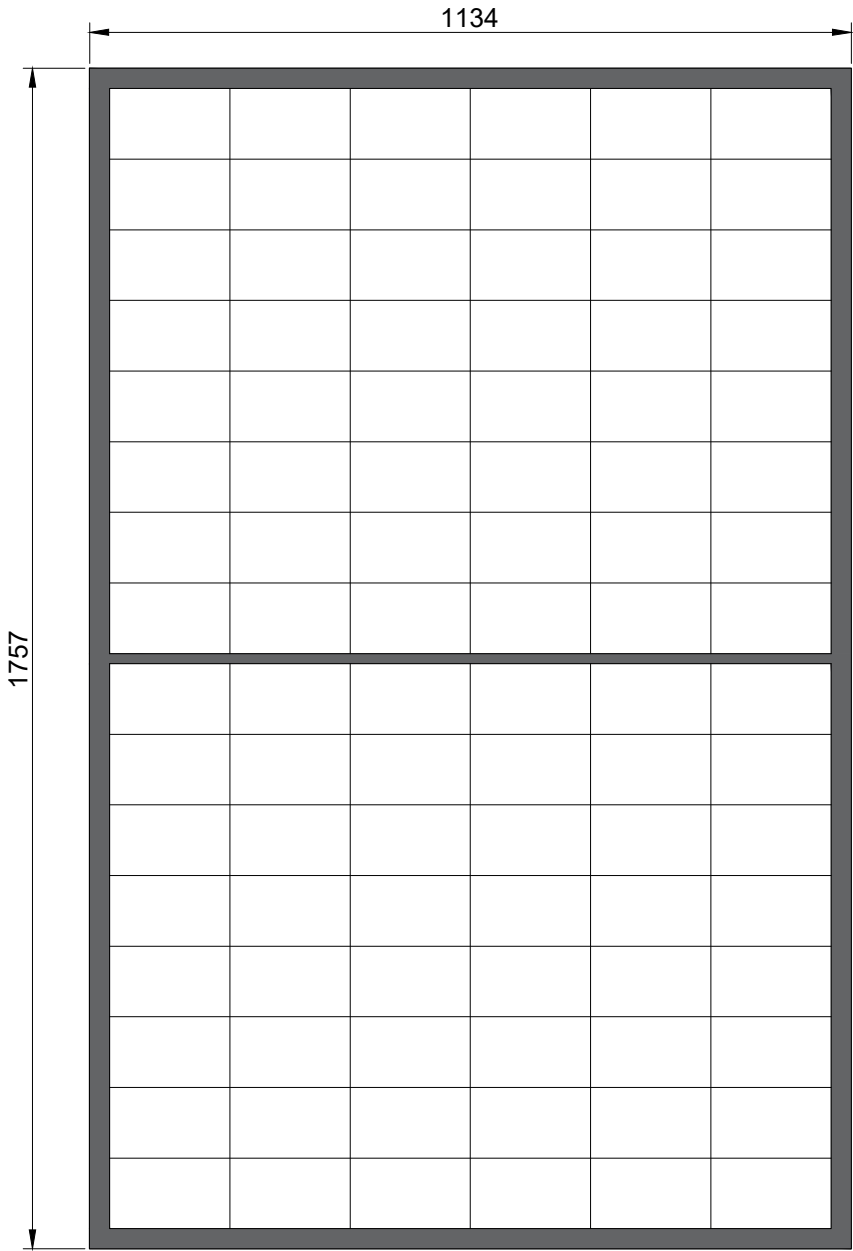
Electrical cabling routed underground from the panel array to the dwelling, with no above-ground cabling or external plant visible.

No external lighting, fencing, or security equipment associated with the installation

Drainage & Environmental Notes

Rainwater continues to drain naturally to existing permeable ground.
No change to surface water run-off patterns.

No trees, hedgerows or shrubs removed as part of the proposal.



Proposed Elevation & Section – General Notes

Ground-mounted solar photovoltaic panels installed on a proprietary metal support frame, located wholly within the domestic curtilage of Dent View House, as shown on drawing refs DVH-GC-001 and DVH-GC-002.

Panels orientated to maximise solar gain, with a fixed tilt angle of approximately 30–35 degrees, representing an optimal balance between annual energy yield and visual containment for this latitude.

Overall height of installation kept deliberately low, with the highest point of the panel array remaining subordinate to existing garden boundary walls and surrounding ground levels.

No part of the installation exceeds typical domestic boundary wall heights, ensuring the development remains visually contained within the site and is not prominent from public viewpoints.

Address	Dent View House, Wath Brow, Cleator Moor, Cumbria, CA23 3AE		
Project	Proposed Solar Panels Proposed Panel Elevation & Section		
Ref	DVC-GC-003	Rev	-
Scale	1/10	Date	16th Jan 2026
Client	Mr Gerry Coan		Paper Size A3