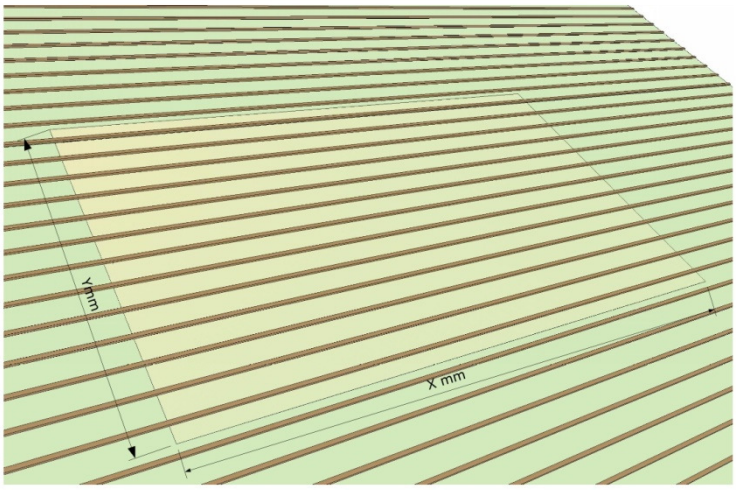
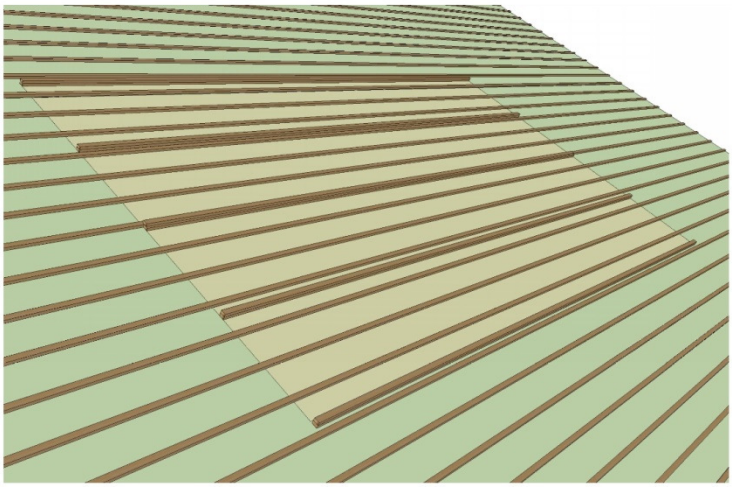
Solfit Installation Manual

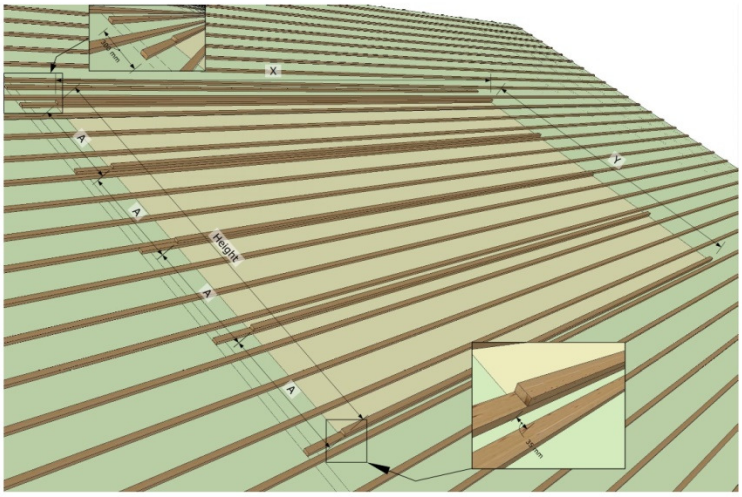
Solfit Top Loader Installation Procedure



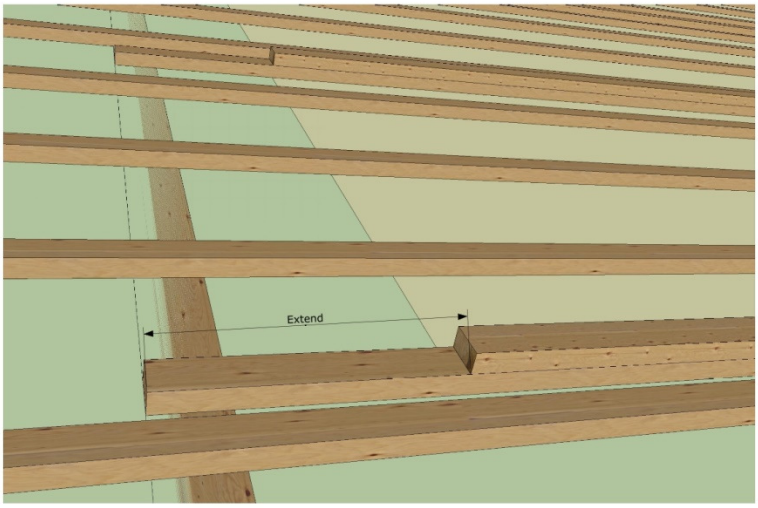
- Measure size of array
- X = 1694mm x number of panels
- Y = 1m x number of panels
- Side flashing = 150 mm
- Top flashing = 250mm
- Bottom flashing = 150mm



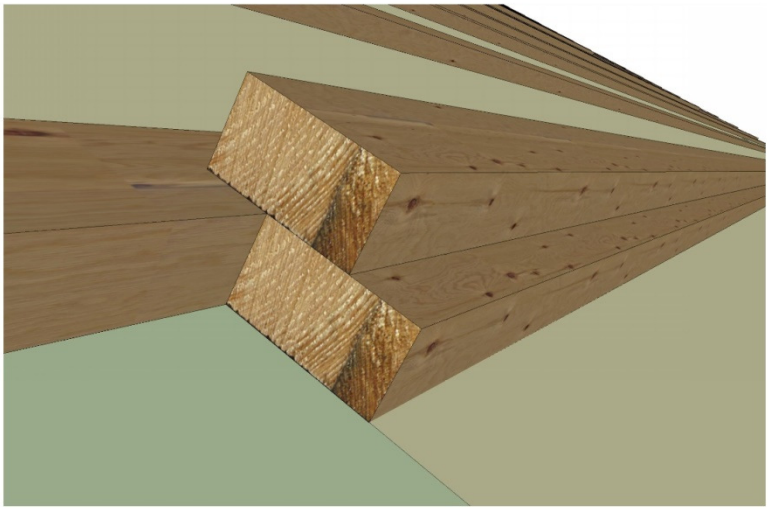
- Fit double battens to out edges of the array at 1 metre spacing's.
- Measure from bottom of the array up the roof, allowing for a 30mm gap from the lower existing tiling batten.



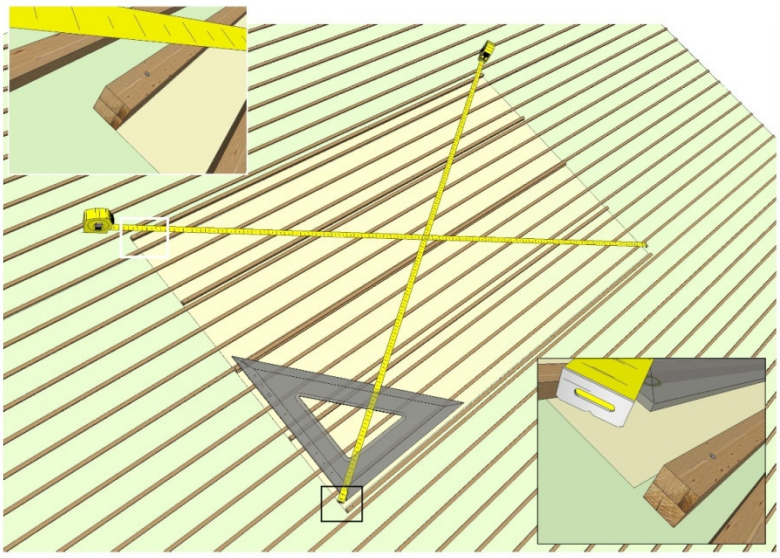
- Batten spacing measurement A= 1m (centre to centre)
- Upper flashing support single batten 250mm from top mounting batten



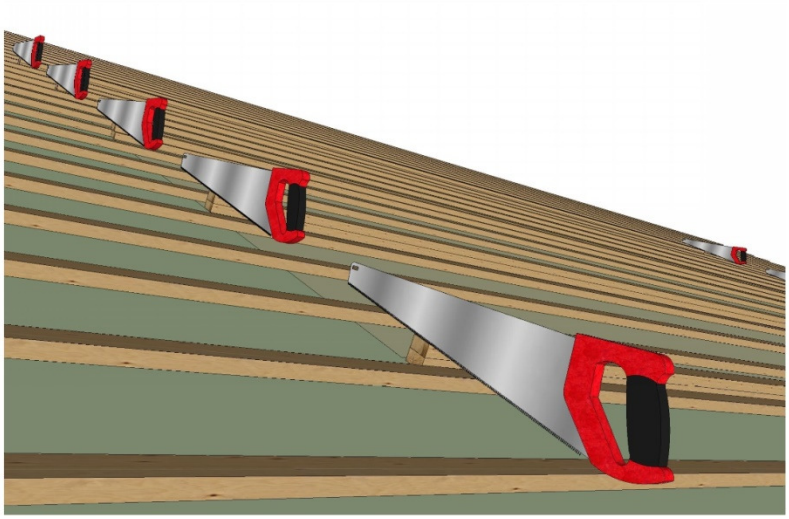
- Single batten spanning from outside edge of array to supporting rafter if required.



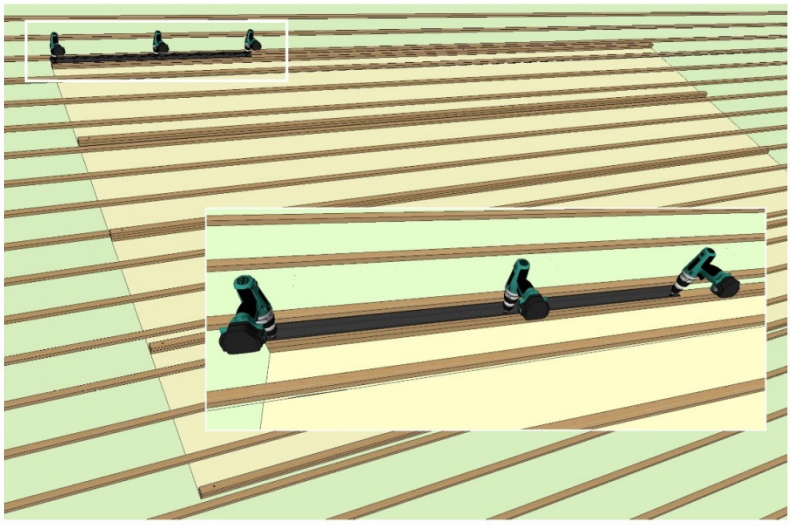
- If / when horizontal supporting battens hits edge the existing batten. Span the joint with the upper batten and secure with screws



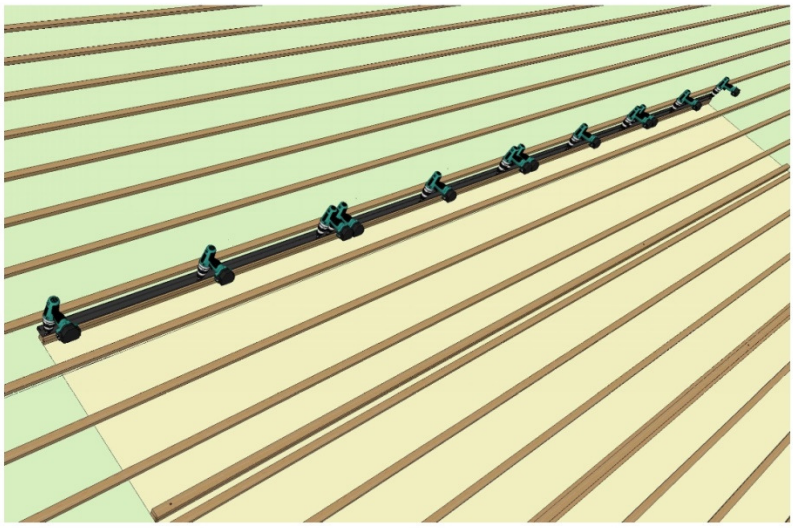
- Make sure array panel mounting battens are square with the roof



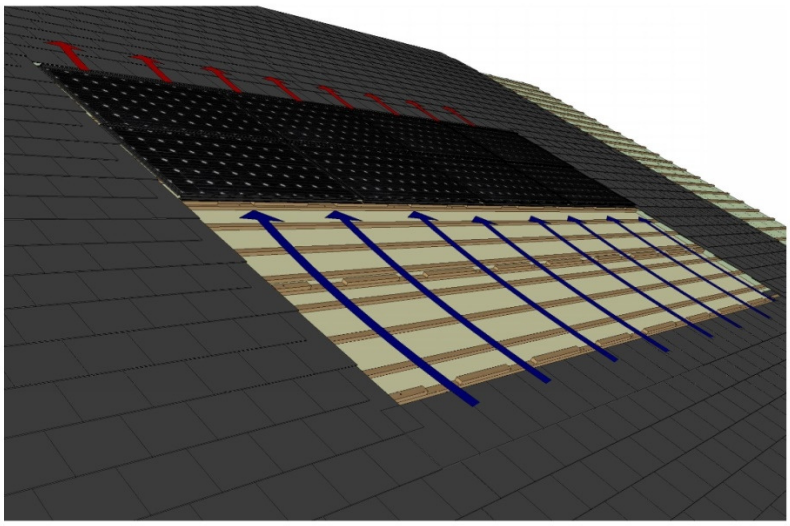
- Cut upper batten flush with outside edge of panels, (this can be done after panels have been fitted)



- Fit panel mounting profile with 6 screws per profile
- One profile per panel column
- **Make sure that the mounting profiles are mounted straight and parallel.**

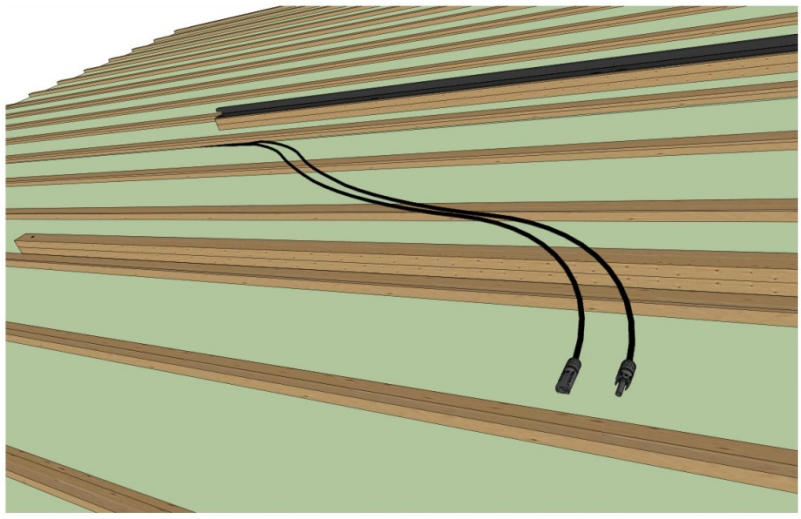


- Fit panel mounting profile with 6 screws per profile
- Make sure that the mounting profiles are mounted straight and parallel

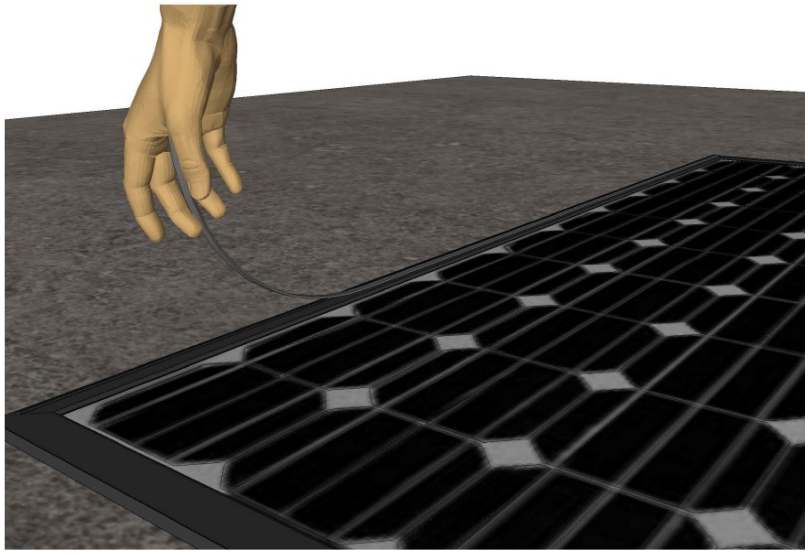


Ventilated option

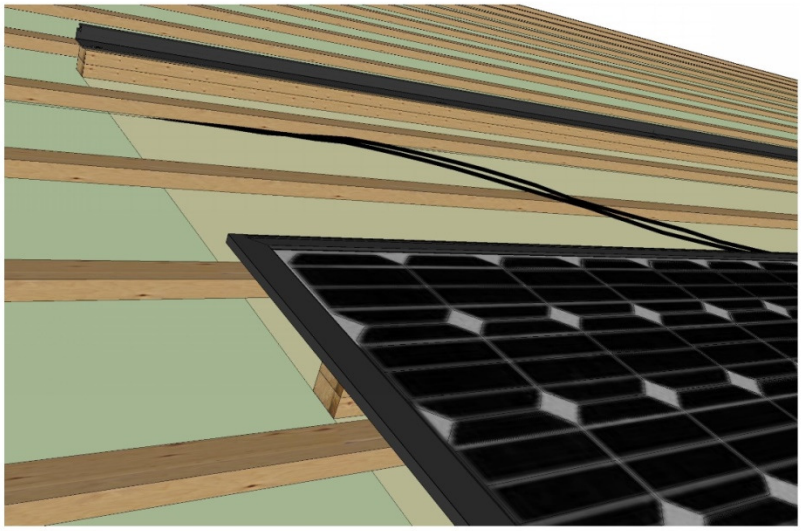
- Cut sections 300mm approx. out of upper batten to allow movement of air through ventilated bottom flashing & under panels. Hot air passes out of a ventilated slate or tiles above array (Ventilated tile/ slate not provided)



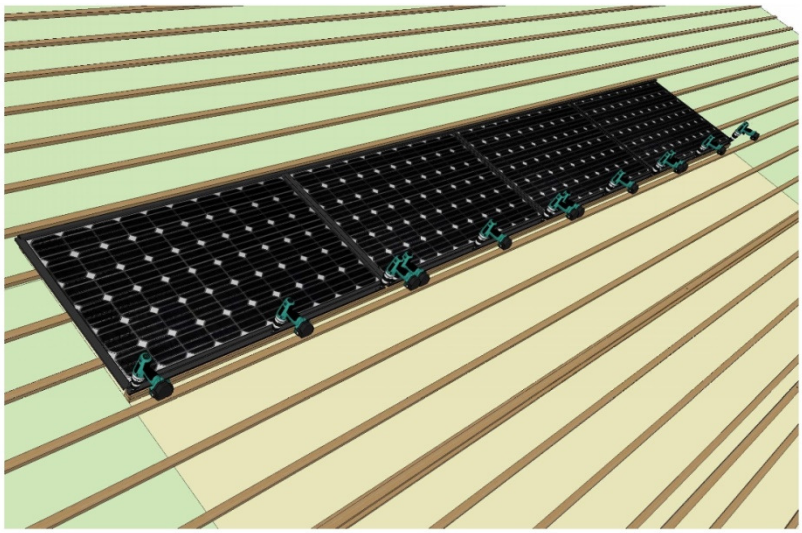
- Install DC cabling according to inverter specifications
- Make sure DC cables are not nipped between panel frames and battens pass cables under mounting and roofing battens.



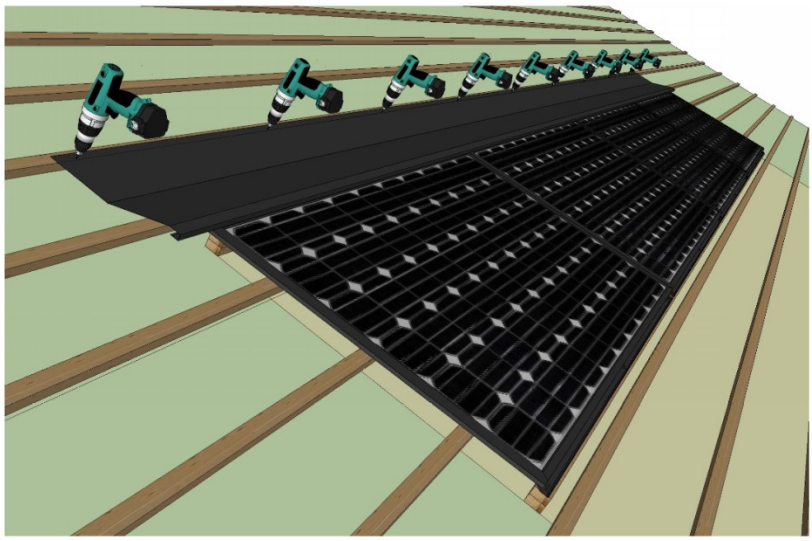
- Remove top seal from panels for on top panel row to allow top flashing to be fitted



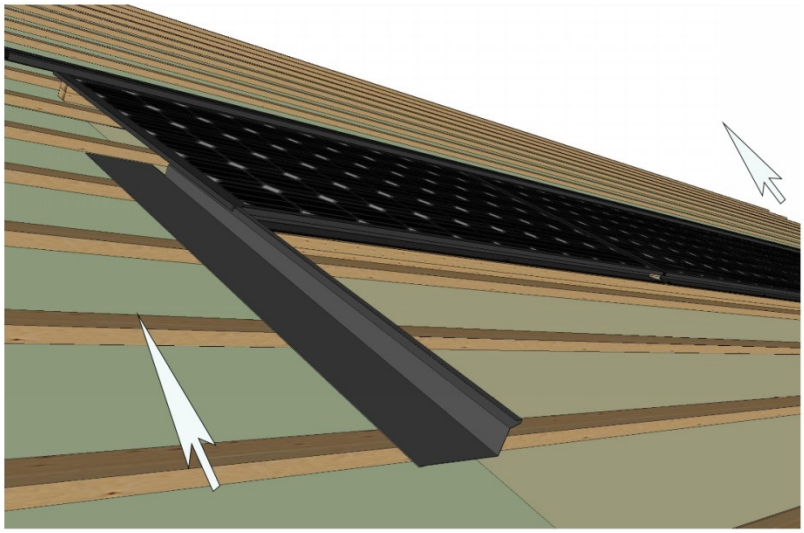
- Fit panels, starting from the top LHS of the array.
- Panels can be fitted in rows or in columns
- **Allow the LHS panel to ‘over shoot’ the mounting profile by 20mm to allow for LHS flashing.**



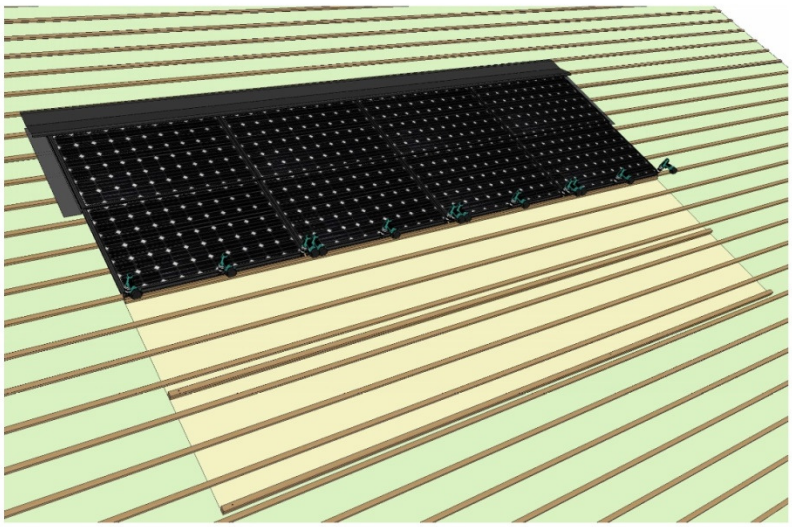
- Secure panels with 6 screws per Panels,
- **Remember to connect panels DC cables as you go**



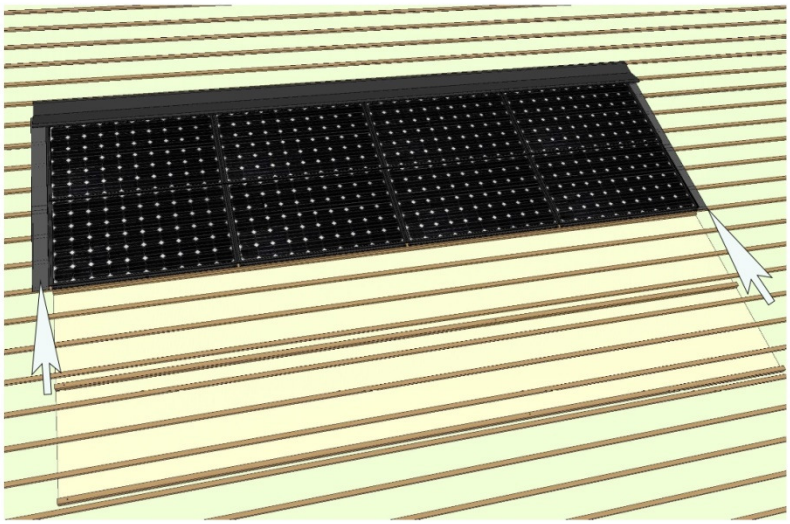
- Fit top flashings securing using clips provided or tech screws



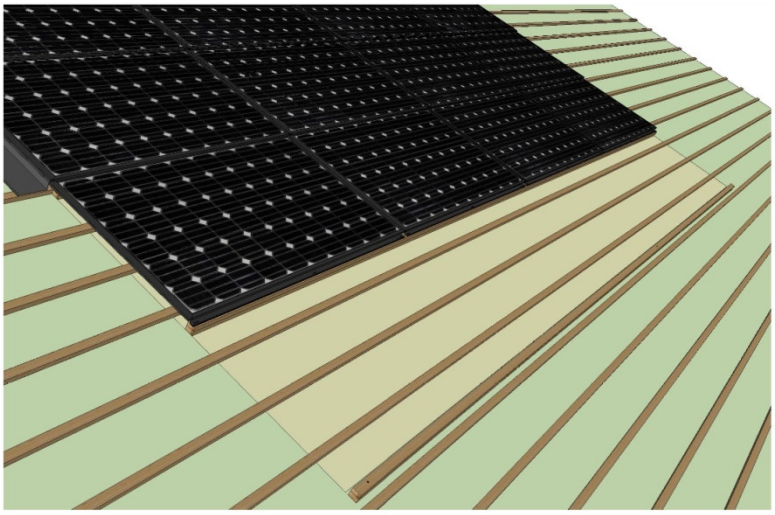
- Fit Top LHS flashing
- Fit Top RHS flashing
- Push flashings until bottom edge is parallel with bottom edge of panel



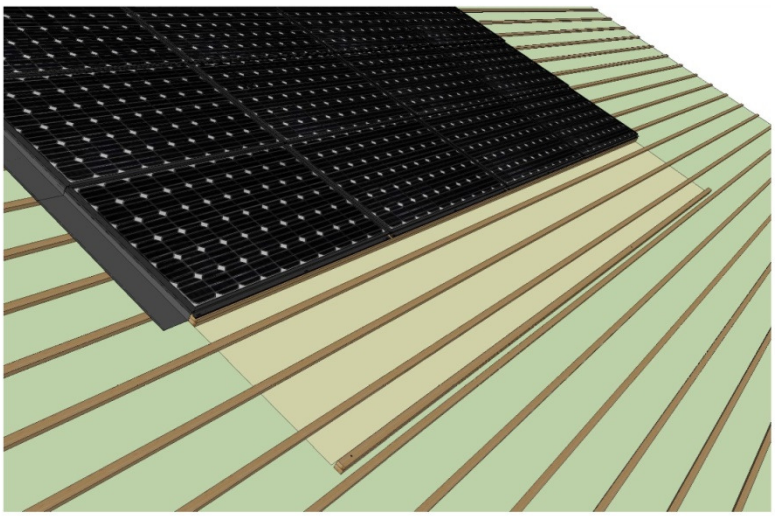
- Fit second row of panels ,
- Securing with 6 screws per panel.



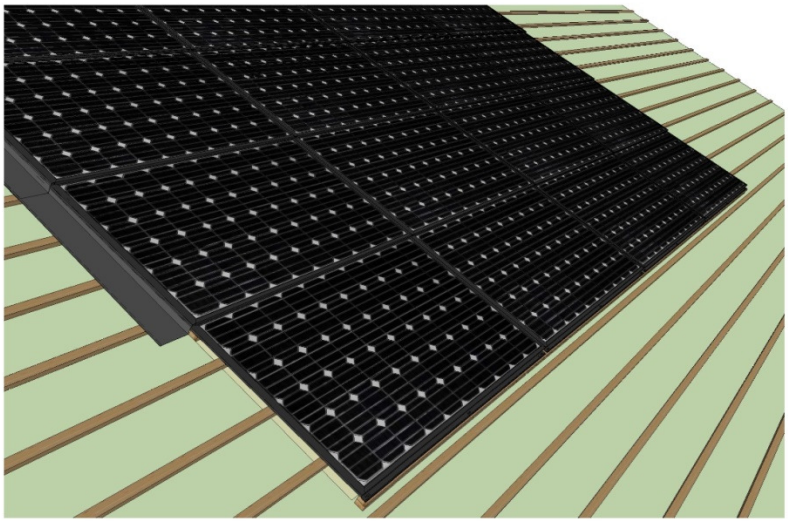
- Fit 2nd row of panels flashings



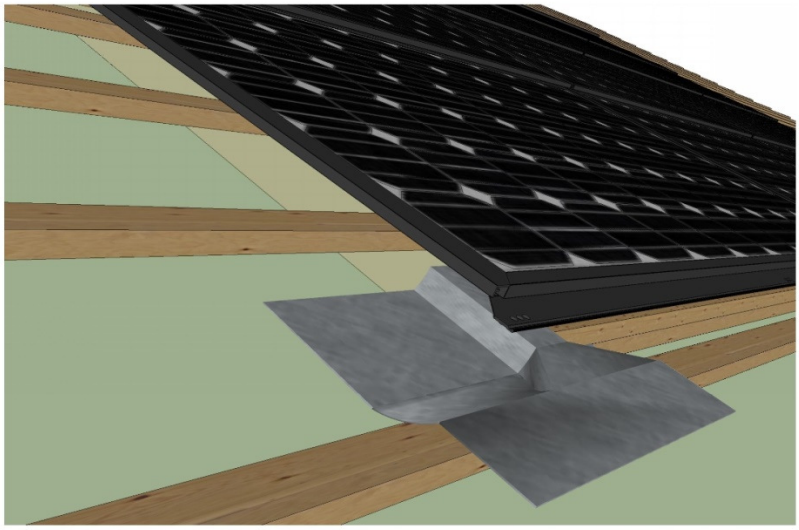
- Fit additional Rows of panels



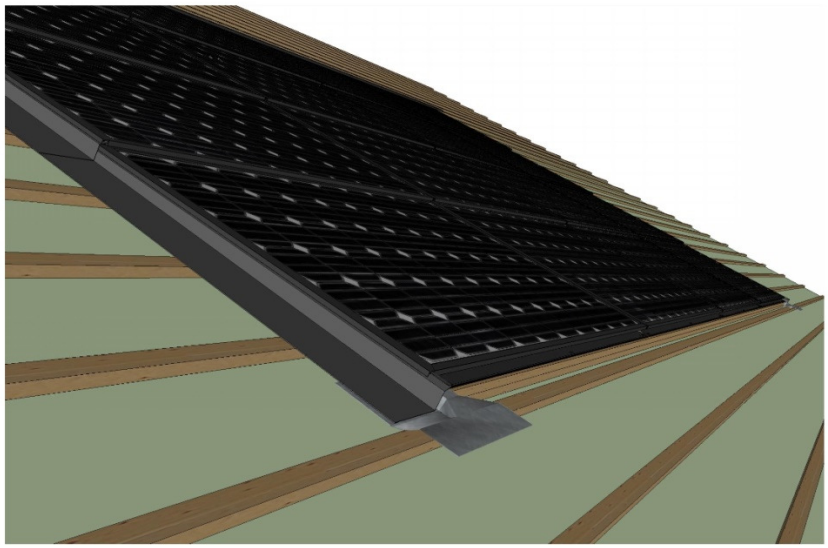
- Fit further flashings to LHS & RHS



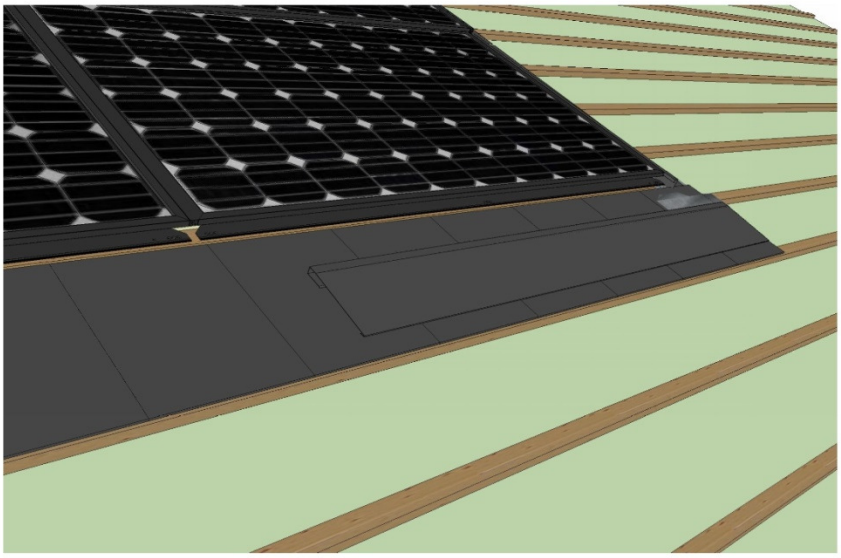
- Fit final row of panels



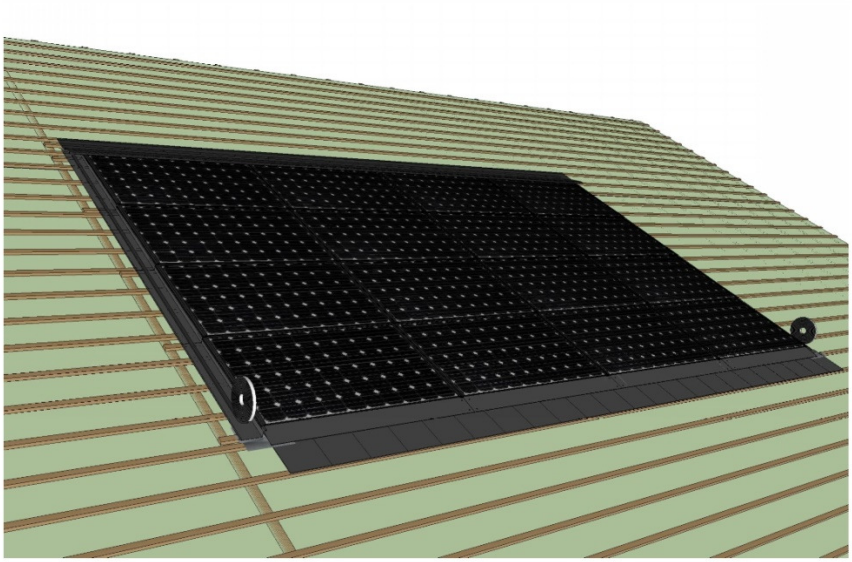
- Fit lower LHS & RHS lead flashing 300mm x 300m approx. under bottom corners of the array panels.
- **Please note that lead/ lead substitute is not supplied**



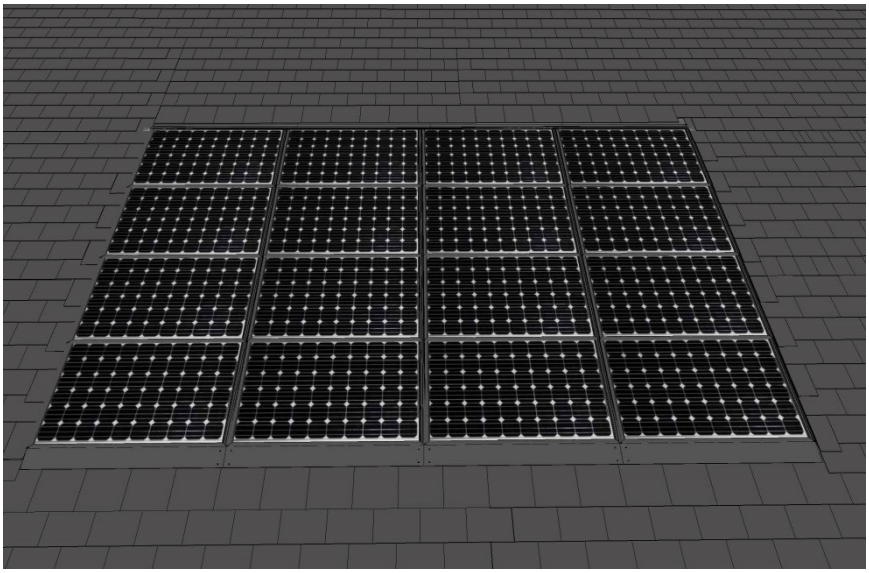
- Fit lower LHS & RHS flashing



- Fit bottom flashings
- Fit bottom internal flashing joiners



- Fit expandable foam tape to LHS & RHS flashing.



- Slate and tile around the array