Risk assessment and method statement (RAMS) for solar panel installers

Starting point: review and adapt it for your job. Part 1 is the risk assessment, with typical hazards for solar panel installers filled in. Part 2 is the method statement.

Client asking for RAMS on every job? The Site Book writes them from a short description of the work. Your first job is free: **thesitebook.co.uk/features/rams**

Company name _____ **Client** _____

Job and site address _____ **Start date and expected duration** _____

Prepared by _____ **Date** _____

Principal contractor (if there is one) _____ **Date of next review** _____

Description of the work

Describe the work this RAMS covers, where it happens and anything about the site that affects how it is done.

Description of the work

Part 1: Risk assessment

List the hazards on this job. For each one, decide who might be harmed and how, how likely it is and how serious it could be.

Can you get rid of the hazard altogether? If not, control the risk so that harm is unlikely. Give collective protective measures priority over individual ones such as PPE.

Typical hazards for solar panel installers, each with the key points from our toolbox talk on it. This is a starting point, not an assessment of your job. Mark which apply to this job, cross out any that do not, and add the hazards this job has that are not listed.

Hazard or topic	Key points and controls to consider	Applies to this job?	Notes for this job
Electrical Safety	• Always assume cables and electrical equipment are live until proven otherwise by a competent person • Use 110V (CTE) reduced voltage tools on site — 230V tools are not suitable for construction environments • Check overhead power lines before using cranes, MEWPs, tipper lorries, or scaffolding near them • Locate underground cables using up-to-date utility plans and a cable avoidance tool (CAT) before digging • Portable electrical equipment must be kept in a safe condition — on site that means regular inspection and testing (PAT) • RCDs (residual current devices) provide additional protection but do not eliminate the risk of electric shock		

Hazard or topic	Key points and controls to consider	Applies to this job?	Notes for this job
Ladder Safety	• Ladders should only be used for short-duration, low-risk work where a more suitable means of access is not reasonably practicable • The 1-in-4 rule: for every 4 metres of height, the base must be 1 metre out from the wall • Ladders must extend at least 1 metre above the landing point when used for access • Always maintain three points of contact when climbing • Stepladders must be fully opened and locked before use — never use a closed stepladder leaned against a wall • Ladders must be inspected before each use and formally inspected at regular intervals		
Asbestos Awareness	• Asbestos was widely used in UK buildings constructed before 2000 — assume it may be present in any pre-2000 building • You CANNOT identify asbestos by looking at it — only laboratory analysis can confirm it • Common locations: insulation boards, ceiling tiles, floor tiles, pipe lagging, textured coatings (Artex), roof sheets, and soffits • If you suspect asbestos: STOP work immediately, keep people away, and report to your supervisor • Only licensed contractors may do licensable asbestos work — such as removing sprayed coatings or pipe lagging, and work on asbestos insulating board (AIB) that isn't short duration • The duty to manage asbestos applies to non-domestic premises and the common parts of multi-occupancy residential buildings. It does not apply inside individual domestic dwellings, including rented homes. Where asbestos is known or presumed to be present, the dutyholder must prepare and implement a written asbestos management plan and keep it under review. • Before intrusive refurbishment or demolition where asbestos may be present, ensure that a competent surveyor has completed an appropriate refurbishment or demolition survey covering the areas and materials affected by the planned work. A management survey alone is not sufficient for this purpose. • The domestic exception applies only to the premises duty to manage asbestos. Builders and other contractors must still identify and control asbestos risks before work that could disturb materials in a home.		
Working at Height	• Always plan work at height — avoid it where reasonably practicable • Use the right access equipment for the job (scaffold, MEWP, podium steps — not an improvised platform) • Ensure edge protection is in place before work begins: guard rails, toe boards, and brick guards • Ladders are only for short-duration, low-risk tasks — use a scaffold, tower or MEWP for longer or heavier work • Fragile surfaces (rooflights, asbestos cement sheets) must be clearly signed and protected • Keep platforms and walkways clear of materials and debris • Never throw tools or materials from height — use a materials hoist or bucket line		

Record each hazard that applies to this job in the table below, with the controls you will put in place.

Hazard	Who might be harmed and how	Controls in place	Further action needed	Who	When	Done

Hazard	Who might be harmed and how	Controls in place	Further action needed	Who	When	Done

Part 2: Method statement

Sequence of work

List the steps in the order the work will be done, from setting up to clearing away. Put the controls for each step next to it.

Step	What will be done	Who	Plant, equipment and materials	Controls for this step
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

People and competence

List who will do the work. Each person needs the skills, knowledge, training and experience for their tasks, or must be in the process of getting them.

Name	Role or trade	Relevant training, qualifications or cards

Personal protective equipment (PPE)

PPE	Needed for which steps

Emergencies

Record the arrangements for any foreseeable emergency, including how to evacuate the site.

First aider _____ **First aid kit location** _____

Nearest A&E (name and address) _____ **Assembly point** _____

How to raise the alarm _____ **Site contact and phone number** _____

If there is serious and imminent danger, workers should stop work immediately, report it and go to a place of safety.

Who workers report danger to _____

Briefing record

Brief everyone doing the work on this RAMS before the work begins. Each person signs to confirm.

Name	Company	Signature	Date

Approval

	Name	Signature	Date
Prepared by			
Approved by			

Based on: HSE's five steps to managing risk; the Management of Health and Safety at Work Regulations 1999, regulation 3 and Schedule 1; CDM 2015, regulations 15 and 30; HSE guidance L153. The typical hazards and key points are from The Site Book's toolbox talks on each topic, at thesitebook.co.uk/toolbox-talks.

- HSE, Managing risks and risk assessment at work: steps needed to manage risk: https://www.hse.gov.uk/simple-health-safety/risk/steps-needed-to-manage-risk.htm
- Management of Health and Safety at Work Regulations 1999, regulation 3: https://www.legislation.gov.uk/uksi/1999/3242/regulation/3
- Management of Health and Safety at Work Regulations 1999, Schedule 1: https://www.legislation.gov.uk/uksi/1999/3242/schedule/1
- CDM 2015, regulation 15: https://www.legislation.gov.uk/uksi/2015/51/regulation/15
- CDM 2015, regulation 30: https://www.legislation.gov.uk/uksi/2015/51/regulation/30
- HSE, Managing health and safety in construction (L153): https://www.hse.gov.uk/pubns/books/l153.htm

Starting-point template from The Site Book, October 2026. Review and adapt it for the actual job and site before anyone works to it.