

PV panel check list

Questions	Info.	Answer
What direction is the roof facing ?	<p>For PV panels to work the house needs a roof that faces within 90 degrees of south. It is not recommended for North facing roofs</p> <p>(If South = 100% optimum West Or East = Approx 80%)</p>	
Is there anything shading the roof at any part of the day ?	<p>Common examples are Nearby trees, chimneys, TV aerials, pipes, vents.</p> <p>(If any part of the surface is in shadow for parts of the day, critical time of day is between 10am and 4pm the whole system will generate less energy.)</p>	
Consider the strength of the roof ?	<p>Usually each panel = 28kg. A 3kW system would require between 12 and 14 panels (depending on make) this will weigh between 336kg and 392kg. If in doubt, a survey can be arranged at a further cost.</p>	
Is the house a listed building or in a conservation area?	<p>Most domestic PV systems do not need planning permission,- unless listed or conservation area. (still should check with local planning)</p>	
How much space is required on the roof ?	<p>A panel is 1000mmx1600mm so a 12 panel array will take up around 20sq metres, this would enable a 3Kwp system, which is a good size for a domestic system</p>	
What angle does the roof need to be ?	<p>If the tilt of the roof is between 25 degrees and 50 degrees then it will give good results</p>	

Inverter does not last as long as PV panels, some have been guaranteed between 5yrs and 10 yrs

Could cost between £1000 - £2000

Check what Installers quotes Include, don't always include,

Scaffolding

Roofing work

Internal wiring

Connection agreement

Lighting protection