

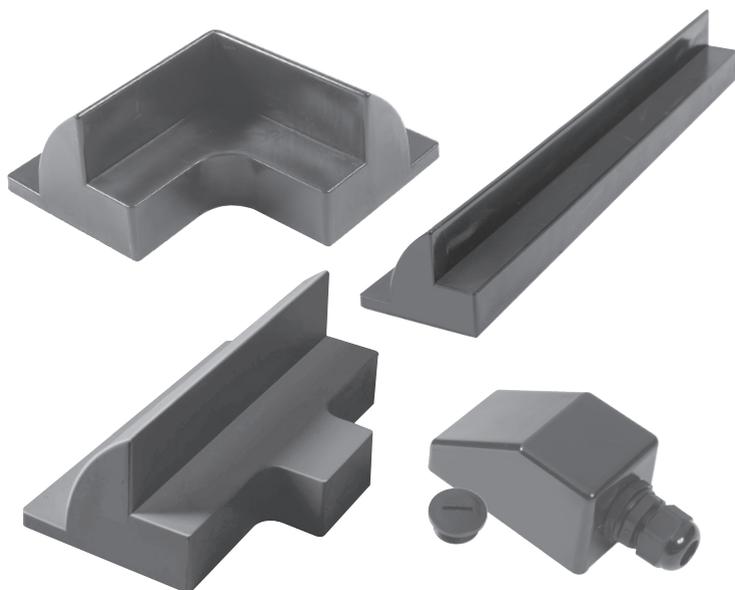
# PV Logic<sup>®</sup>

## Roof Brackets



Solar  
Technology  
International  
Without boundaries

## User manual



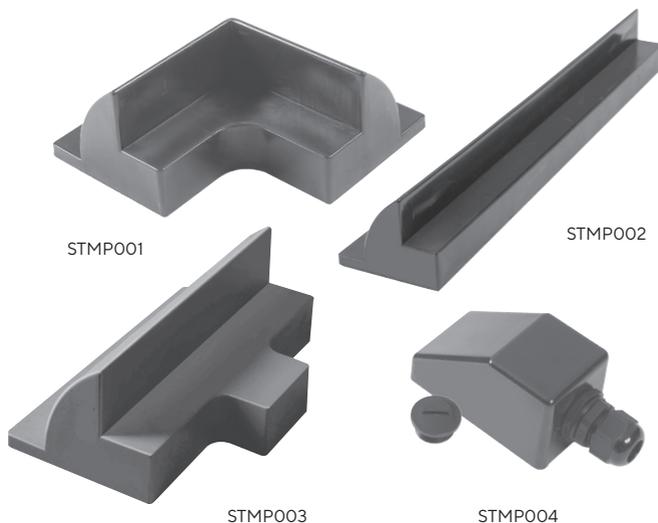
## Mounting Profiles

Part numbers: STMP001/ STMP002/STMP003/STMP004

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Important: please read before first use.

**Technical helpline 01684 774 000**



**STMP001**

4 x corner moulds

**STMP002**

2 x 53cm mounting rails

**STMP003**

2 x 18cm mounting rails

**STMP004**

1 x cable gland, universal grommet & blanking plug

The Solar Technology mounting profile and cable feed gland range is designed to allow the simple and stylish attachment of a solar panel to the roof of a caravan, motorhome, boat, truck and any other roof where the surface material is either smooth aluminium, wood or GRP.

The profiles are designed to be bonded to a suitable surface and not fixed by screw or other fastening system. If a bonding agent such as Henkel adhesives, SikaFlex or similar is used, the profile will remain securely fixed. Ideally the roof or deck structure will be an aluminium laminate, GRP, timber or other solid or semi solid surface. Fixing the profiles is not recommended to any surface that is not laminated (for example where an aluminium skin has been fixed by stapling or similar). If you are uncertain what type of roof construction you have we would recommend contacting the manufacturer or Solar Technology to seek guidance.

**STMP001, STMP002 & STMP003**

**Fitting** – Ensure the area where the profiles are to be fixed is flat and clean. We recommend using a specific cleaner such as acetone or alcohol wipes.

Once the surface is prepared use a mild abrasive glass paper to scour the base surface of each mounting profile (this will aid bonding).

Once the surface is roughed, clean the surface with an IPA cleaner or similar oil free surface cleaner and avoid touching the cleaned surface with fingers thereafter.

Then fix the mounting profiles to the solar panel. There are sculpted areas in the profiles where holes can be drilled through the profile and into the frame of the solar panel, taking great care not to enter the solar

cell/glass laminate area during this process. We recommend using stainless steel fixings (supplied) for attaching the solar panel to the profile.

Once all the profiles have been fixed, position the solar panel on the roof in the desired position (this process is easier with two people). Mark around the profiles using a pencil and remove the panel and profiles from the roof.

Now fix the cable feed gland (STMP004) – see fitting instructions opposite.

Once the cable feed gland is in position and the cable from the solar panel is loosely threaded through the gland, apply the bonding agent to the profiles.

If using Henkel MS939 or similar, we recommend that a bead of the bonding agent approx 5 to 6mm wide is applied to the entire surface of the profile that will be in contact with the roof (once compressed this should reduce to around 2mm). Once all profiles have the bonding agent applied, turn the panel over so the profiles are facing the pencil marked area and gently rest the profiles and panel within the guide lines (if using SikaFlex you will have only one chance at this, as it cures very quickly – so make sure that, if your pencil mark is missed, you do not try and remove the panel and profile, as this will destroy the bond and you will have to start again).

Now gently press down on the panel and profile so the bonding agent is pushed toward the edge of the profile. Any uneven lines or excess can be smoothed over with a wet lint free cloth.

#### **STMP004**

**Fitting** – The fitting of the cable feed gland follows the same advice as given for fitting the mounting profiles. However, it is worth pointing out that once the gland is bonded to the roof and before the solar panel is fixed, the cable from the solar panel should be threaded loosely through the grommet of the gland. Once the solar panel is bonded to the roof, you will need to access the nut on the back of the gland to tighten this to ensure an effective seal around the cable. Therefore, ensure the positioning of the gland is such that you can reach it once the solar panel is fixed.

A blanking plug is supplied with the cable feed gland and this can be used should you decide to sell or exchange your solar panel in the future and wish to remove the panel for a period of time – the plug seals the hole where the cable is usually threaded.

#### **STMP005**

**Fitting** – The double cable feed gland offers an alternative to 2 x STMP004 should two solar panels be fitted on the same roof. All fitting details remain the same as for STMP004.

It is important to read the instructions of the bonding agent you use as some manufacturers recommend a 48 hour curing process.

If you have any questions please contact the Solar Technology International Ltd help line on **01684 774000** or **info@solartechology.co.uk**



## We want your photos and videos!

Here is your chance for you and your solar panel to be a star! Just send in pics or videos of you and your solar panel in a great location and if selected we will not only give you ever lasting recognition on our online favourite users wall of fame but we will send you a Freeloader Sixer, 6000mAH solar power bank worth £70 completely free!

Please send to [hello@solartechnology.co.uk](mailto:hello@solartechnology.co.uk) including your address details and best of luck!

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