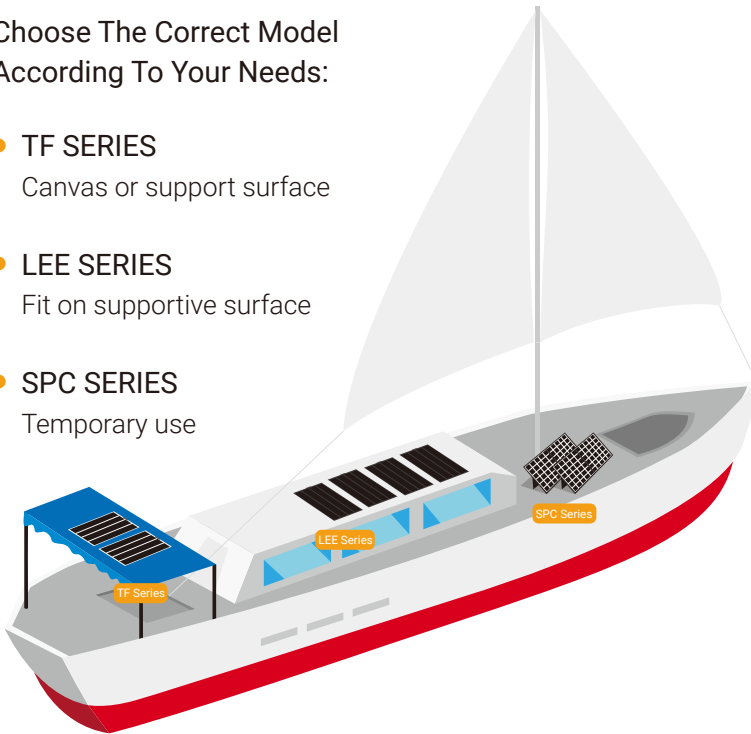


Choice Of Solar Panel

Choose The Correct Model According To Your Needs:

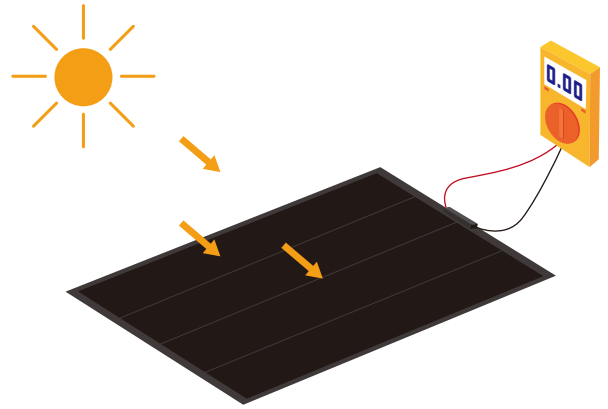
- **TF SERIES**
Canvas or support surface
- **LEE SERIES**
Fit on supportive surface
- **SPC SERIES**
Temporary use



Inappropriate use might lead to damage of the panel

Delivery Testing

All Ways Test Your Solar Panel Upon Delivery Before Fitting



The test is only valid including all preconditions:

- A) Midday
- B) No Clouds
- C) No Shadows
- D) Only Multimeter Connected

For more information on testing, please read the FAQ on our website

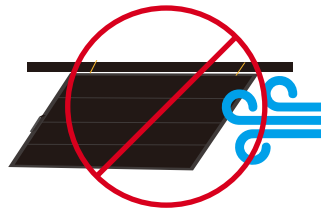
General Care



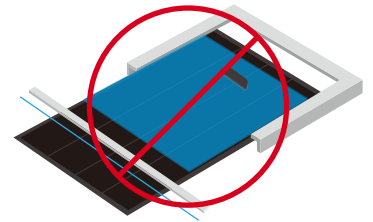
Do not bend irregularly (except for assembly)



Do not pierce, cut or sew through the solar panel

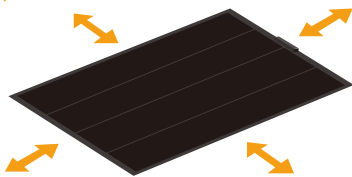


Never allow any kind of bending or repetitive motions by wind or similar



Do not install solar panels under glass windows or anywhere that might cause permanent shadow as it will damage the cells

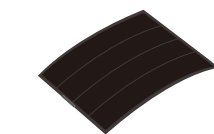
Fitting Of A Solar Panel



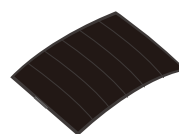
Leave 23mm around all edges or 25mm if using "marine caulking" in between panels

Max recommended bending

Any curvature is preferred opposite to the cuts in the cells to maximize the lifespan



Max bending 5%



Max bending 1%

Please contact us if you are unsure about your curvatures

Do not place it on



Wave surface



Double curvature



Edges

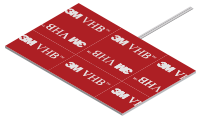


Depressions

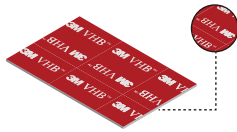
Choose a hard and even solid surface to mount the solar panel upon

Adhesives

Recommended



Full size 3m adhesive



Double side adhesive sheets
(must be full size)



UV-proof silicone

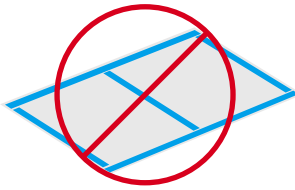
Screws



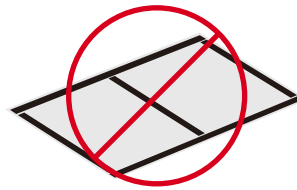
Not Recommended



Never use stiff or high tensile glue



Partial tape installations double side adhesive must be full size



Velcro installations flush panels must be permanently attached

- Only models with premade holes
- Use screws with lesser diameter
- Washers must move freely
- Do not overtighten
- Do not combine screws and glue, choose one method

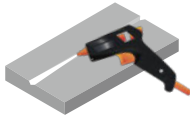
Glue application

Before fitting

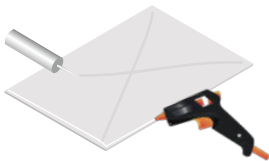
even out any type of depressions/ cracks or any pre-existing anti-slip profile



Even out any height difference even if it is 1mm or less



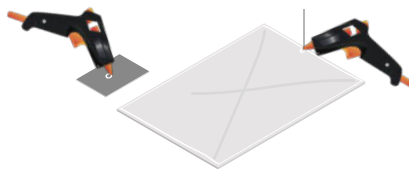
Fix the surface and let it dry before the next steps!



1. Use a very limited amount of silicone applied in an X on the back and around the cable protection. (sikaflex might also be used for this part)

Attention: Max kit string width is 3mm

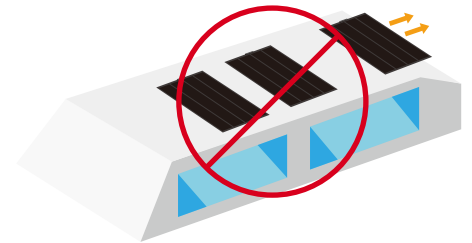
2. Only silicone might be used along the edges never use sikaflex along the edges



3. If curving cables through a hole, use silicone around the cable connection and around the hole*



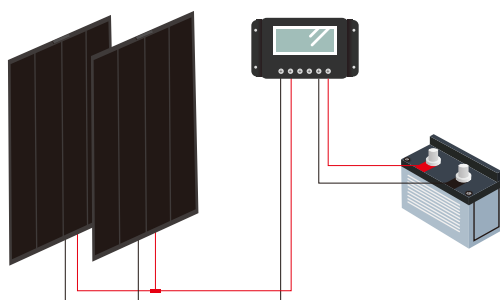
4. Optional: Use silicone (no sikaflex) along all edges & cable



Flush panels must be permanently attached to a hard and even surface

Solar panels will be permanently damaged if moved after fitting!

Connections



If using several panels on one controller a connection in parallel will result in the best output and life expectancy

For 24v & 48v systems it is common to put the solar panels in series but we recommend the use of a "MPPT" charge controller which allows a parallel installation

If considering a serial installation consult the manual faq on www.sungoldsolar.com