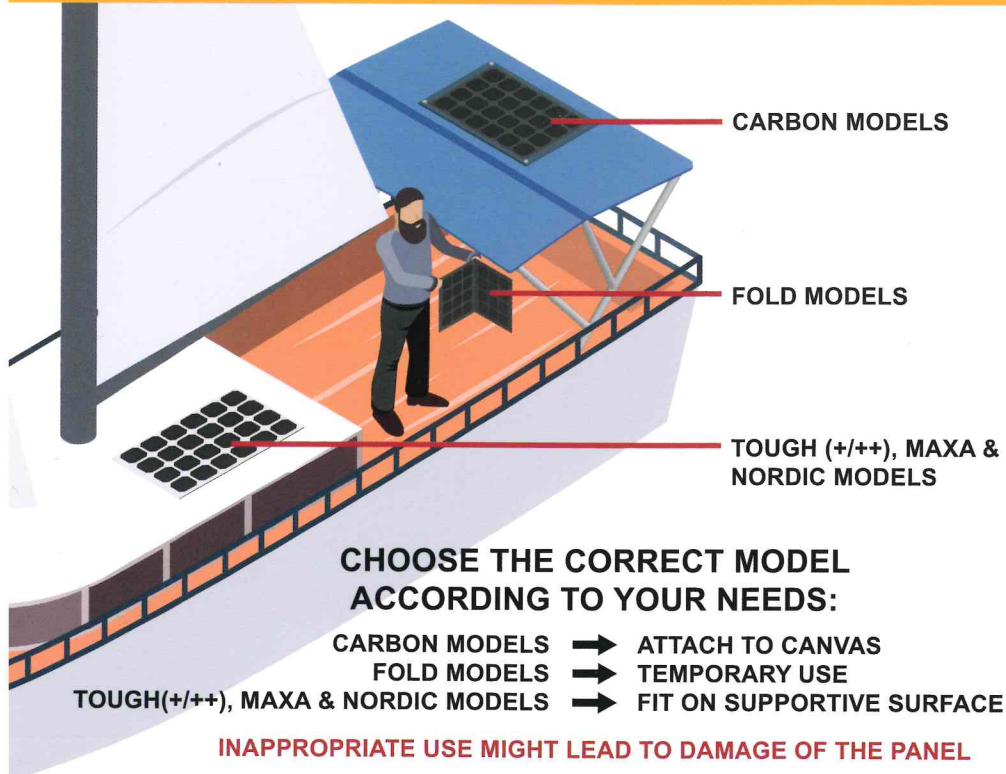


CHOICE OF SOLAR PANEL

GENERAL CARE

DELIVERY TESTING



CARBON MODELS

FOLD MODELS

TOUGH (+/++), MAXA & NORDIC MODELS

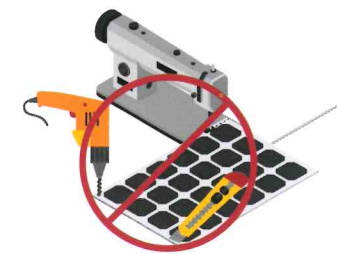
CHOOSE THE CORRECT MODEL ACCORDING TO YOUR NEEDS:

- CARBON MODELS → ATTACH TO CANVAS
- FOLD MODELS → TEMPORARY USE
- TOUGH(+/++), MAXA & NORDIC MODELS → FIT ON SUPPORTIVE SURFACE

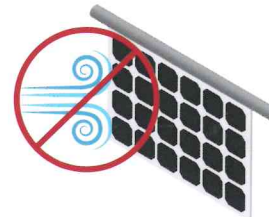
INAPPROPRIATE USE MIGHT LEAD TO DAMAGE OF THE PANEL



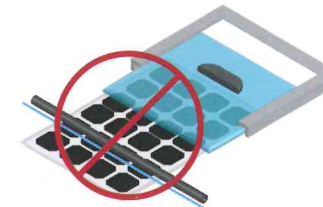
DO NOT BEND
(EXCEPT FOR FITTING)



DO NOT PIERCE, CUT OR SEW
THROUGH THE SOLAR PANEL

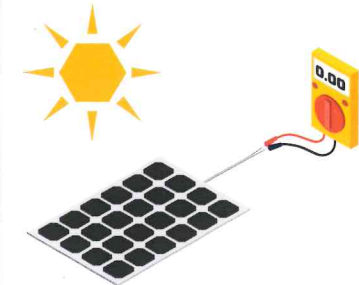


NEVER ALLOW ANY
KIND OF **BENDING** OR
REPETITIVE MOTIONS
BY WIND OR SIMILAR



DO NOT INSTALL SOLAR PANELS
UNDER GLASS WINDOWS, ROPES
OR ANYTHING THAT MAY CAUSE
PERMANENT PARTIAL SHADOW,
AS IT CAN CAUSE CELL DAMAGE

ALWAYS TEST YOUR
SOLAR PANEL UPON
DELIVERY BEFORE FITTING



THE TEST IS ONLY
VALID IF 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

FITTING OF A SOLAR PANEL

ALLOW FOR THE NATURAL
HEAT EXPANSION



LEAVE ≥3MM AROUND ALL EDGES
OR ≥5MM 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 IS INCLUDED WITH TOUGH+/TOUGH++



DOUBLE SIDE ADHESIVE SHEETS (MUST BE FULL SIZE)



UV-PROOF SILICONE

SCREWS



- 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

NOT RECOMMENDED



NEVER USE STIFF OR HIGH TENSILE GLUE



PARTIAL TAPE INSTALLATIONS DOUBLE SIDE ADHESIVE MUST BE FULL SIZE

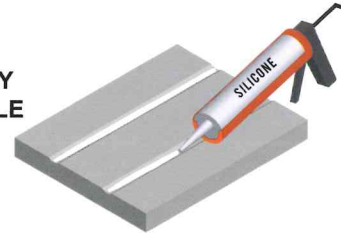


VELCRO INSTALLATIONS FLUSH PANELS MUST BE PERMANENTLY ATTACHED

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)



2. ONLY SILICONE MIGHT BE USED ALONG THE EDGES NEVER USE SIKAFLEX ALONG THE EDGES

ATTENTION: MAX KIT STRING WIDTH IS 3MM



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

NEVER LEAVE THE CABLE UNFIXED

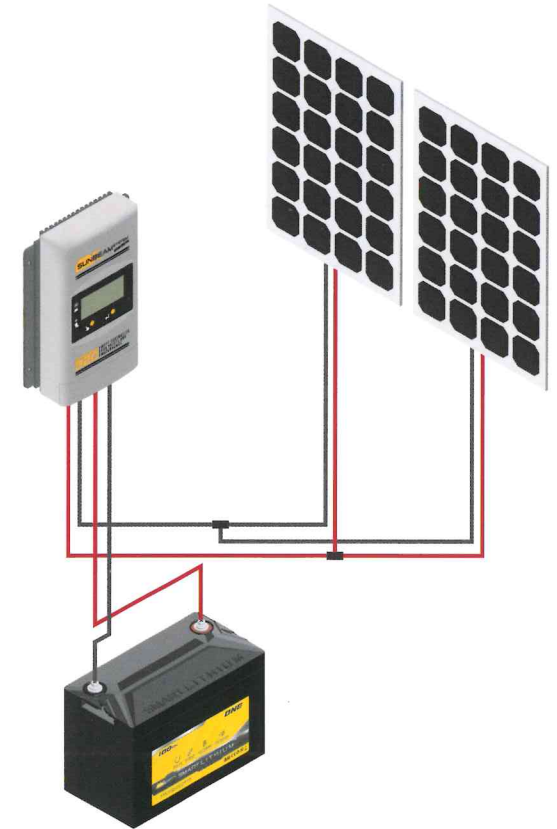


FLUSH PANELS MUST BE PERMANENTLY ATTACHED TO A HARD AND EVEN SURFACE

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 "BOOST" CHARGE CONTROLLER WHICH ALLOWS A PARALLEL INSTALLATION

IF CONSIDERING A SERIAL INSTALLATION CONSULT THE MANUAL FAQ ON WWW.SUNBEAMSYSTEM.COM