

# Manual Kits

EN • 03/2020



## General safety instructions

- Solar modules generate electricity in low incidence of light too! Cover the solar panel and work carefully!
- Make sure that the installation of the solar charge controller takes place in a stable, flat and dry environment. Please note to keep a distance of 15 cm around the unit!
- Danger of explosion due to improper handling of batteries! Danger of receiving an acid burn through the battery acid! Keep children away from batteries and acid!
- Please note the operating instructions of the solar charge controller, the solar module and the battery as well!
- When connecting the cables, make sure the polarity is correct! All work must be carried out in compliance with the national provisions and the local regulations!
- Do not use defective components and keep the intended use of the system!

## For the installation you need well isolated tools:



■ small screwdriver



■ pliers



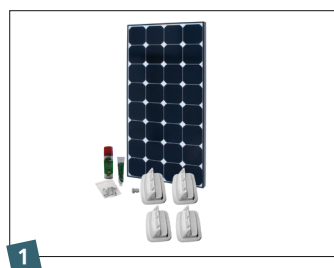
■ carpet knife

## Glue assembly profiles and fix solar module

- Solar module
- Module fixture kit
- Glue set

### Step 1

Please observe the manual of the manufacturer when you glue the assembly profiles and fasten the solar module. Please make sure to keep the module cable clamps accessible after glueing.

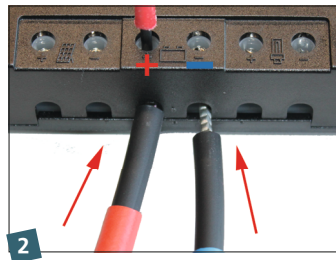


## Connect battery with solar charge controller

### Step 2

Attention: Use battery cables with fuse! Remove the fuses during the installation.

Loosen the screws distinguished with a battery label at the solar charge controller. Insert the red labelled wire end sleeve of the battery cable into the positive contact (+) and the blue labelled wire end sleeve into the negative contact (-). Tighten the screws. Connect the battery cables with the battery and insert the fuse once again.

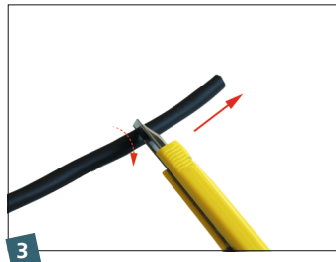


## Connect solar module with solar charge controller

- Solar module
- Module cable

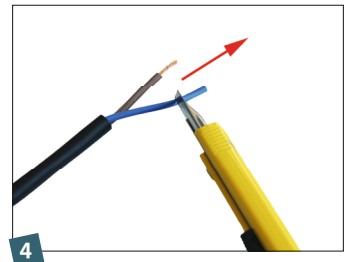
### Step 3

Strip the insulation off the module cable. Carefully cut a piece of the upper coating and remove it, so two individual wires appear.



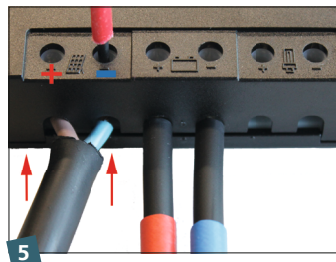
### Step 4

Strip 10 mm of the insulation. Carefully cut the two wires and remove the coating.



### Step 5

Untighten the screws marked with a solar module label on the solar charge controller. Lead the positive wire (brown) into the positive contact (+) and the negative wire (blue) in the negative contact (-). Tighten the screws.



### Step 6

Connect the solar module with the solar charge controller.

