

## Solar Panels RX-series

Plug & Play solar panels. Simply lay out, plug in - ready. No installation needed. Socket or cigarette lighter are sufficient. Regulator is integrated in the cable. Made in Germany.

### Product characteristics

- Plug & Play modules, ready to plug in
- portable and foldable, light weight and robust
- each wing of RX-22039 and RX-22052 works independently
- in RX-21052 and the 24V panels both wings are connected in series
- textile edge with 9 mm eyelets for easy attachment
- 5m cable with SureSeal-plug
- charge regulator FOX-062 with car plug for socket or cigarette lighter
- non-glass-panel, unbreakable, Nowoflon front foil
- multicrystalline cells of highest performance class
- partly also available as 24V version
- panels are 100% sea- & saltwater resistant
- charge regulator FOX-062 has to be protected against humidity
- light-weight core, made out of 3mm aluminium sandwich, dark-grey, fully capsulated by the laminate
- cable output screwed, sealed and absolutely water proof
- ultraflat panel construction only 5mm thick, at cable output 15mm
- 100% maintenance-free, self-cleaning surface
- 3 years warranty on power output

## TECHNICAL FEATURES

### RX-series

	RX-21052	RX-22039 (RX-22239)	RX-22052 (RX-22252)
<b>Power</b> [Wp]	<b>50</b>	<b>76</b>	<b>100</b>
System voltage	12V	12V (24V)	12V (24V)
I <sub>sc</sub> , max. charge cur.[A]	3,0	4,4 (2,2)	6,0 (3,0)
I <sub>max</sub> [A]	2,7	4,0 (2,0)	5,5 (2,75)
U <sub>oc</sub> [A]	23,5	22,8 (45,6)	22,8 (45,6)
Length [mm]	1265	873	1106
Width [mm]	429	826	826
Pack size height [mm]	30	40	40
No. of eyelets (D=9mm)	8	8	10
Weight netto [kg]	2,6	4,2	5,1
Weight brutto [kg]	3,8	7,2	8,8
Cable (2 x 1,5 mm <sup>2</sup> ) [m]	5,0	5,0	5,0
No. of wings	1	2	2

#### Valid for all RX-modules:

Laminate: ETFE/EVA/ETFE / carrier plate: aluminium-sandwich / individually packed /

Environmental conditions: - 40 to + 85 °C

Thermal characteristic values of multicrystalline solar cells:

TK I<sub>sc</sub>: 0,6%/K, TK U<sub>oc</sub>: -0,34%/K, TK P<sub>mpp</sub>: -0,43%/K

P<sub>max</sub> according to STC (standard test conditions) AM 1,5, 1000 W/m<sup>2</sup>, 25°C, measurement tolerance: 10%.



Technical changes reserved. State 4/2019

## RANGE OF APPLICATIONS

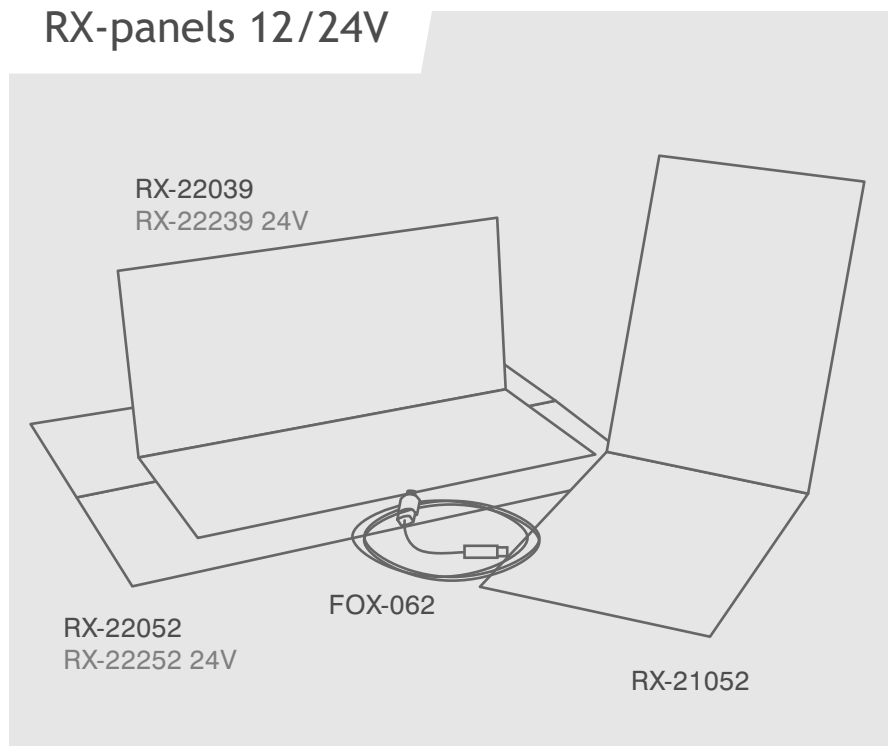
- For motor boats and sailing yachts
- For camping, caravan and off-road
- For mobile current supply & outdoor



## Installation notes

- RX solar panels are sewn into a textile frame. Due to the soft transition of the panel to textile frame and the plastic eyelets, other surfaces are not damaged or scratched.
- The RX panels are delivered with 9 mm eyelets in the textile frame. Herewith the panels can be simply fastened.
- Each wing of a multi-wing RX-panel works independently. This reduces power loss in case of partial shading.
- At the folding panel RX-21052 both wings are connected in series. To get the maximum power output, both wings should be aligned always equal to the sun.
- Series connection of 12V modules only permitted if a cell protector is used per module.

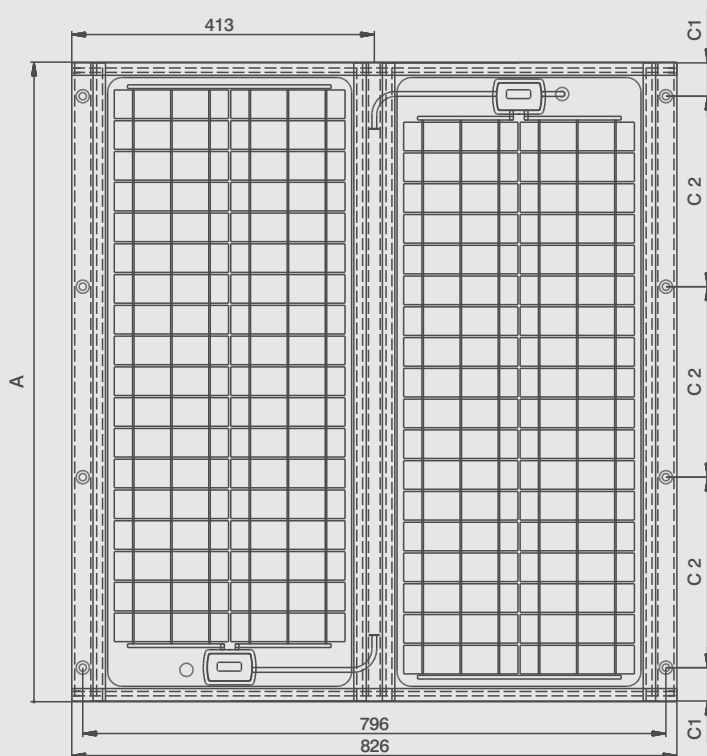
## RX-panels 12/24V



## FOX-062 plug-in controller (in scope of delivery)

- The FOX-062 is an advanced charge controller in mini-format. Despite its small size the overcharge protection is designed for a solar current of 6A.
- Reverse current protection is integrated.
- The charging characteristic can be adjusted by the red DIP switch for AGM, GEL, Lead acid & LiFePO<sub>4</sub> batteries.
- 3-color LED-indicator shows the battery status.
- Panel cable with the SureSeal-plug has to be plugged into the charge regulator.
- On the output side to the battery a motor vehicle connector is mounted with a integrated fuse and an adapter. If the red adapter on the tip of the plug is removed, he can also be used for a car socket.

## DIMENSIONS

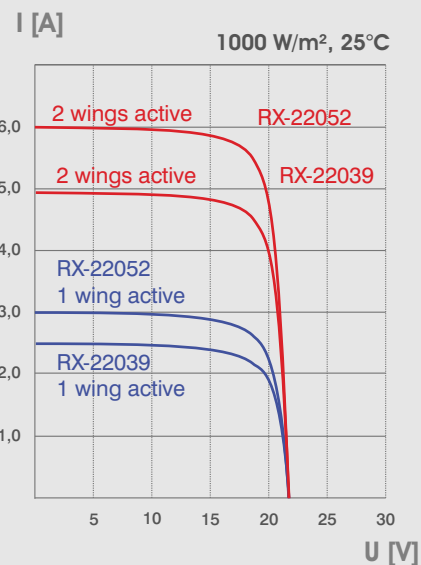


Technical drawings at: [www.sunware.de/download](http://www.sunware.de/download)

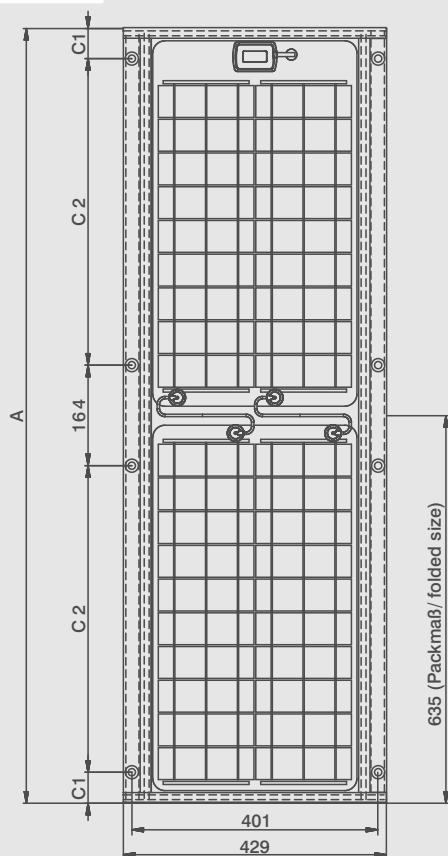
## RX-22039/-22239/-22052/-22252

	A [mm]	C 1 [mm]	C 2 [mm]
RX-22039/ -22239	873	45,5	260
RX-22052/ -22252	1106	51,0	251

## Electrical characteristic



## DIMENSIONS



Technical drawings at: [www.sunware.de/download](http://www.sunware.de/download)

## RX-21052

	A [mm]	C 1 [mm]	C 2 [mm]
RX-21052	1265	50,0	500

## Electrical characteristic

