

TX-Rail Solar Panels

TX-Rail panels are available with three different power ratings and can also be combined with an existing solar installation.

TX-Rail Panel with one Wing

TX-Rail 12052 **60 Wp** 1106 x 431 mm 2,8 kg 3,3 A

TX-Rail Panels with one Wings

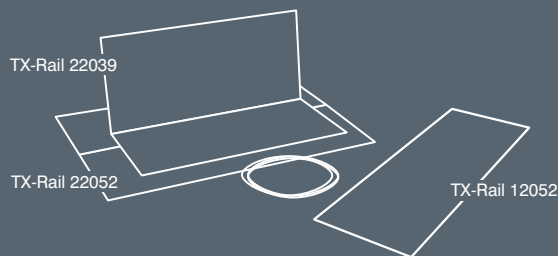
TX-Rail 22039 **90 Wp** 925 x 423 mm 4,5 kg 5,0 A

TX-Rail 22052 **120 Wp** 1164 x 423 mm 5,3 kg 6,6 A

TX-Rail panels are only available for 12V systems

Scope of delivery:

- 1 x solar panel
- 2 x TX-Riser
- 1 x 10 m cable 2 x 2.5 mm²
- 1 x waterproof cable plug
- 1 x waterproof cable socket
- 1 x cover cap for cable socket
- 4 x carabiner (TX-Rail 22052, 22039)
- 3 x screw hooks (TX-Rail 12052)
- 1 x panel bag



en.sunware.solar/serie-tx-rail

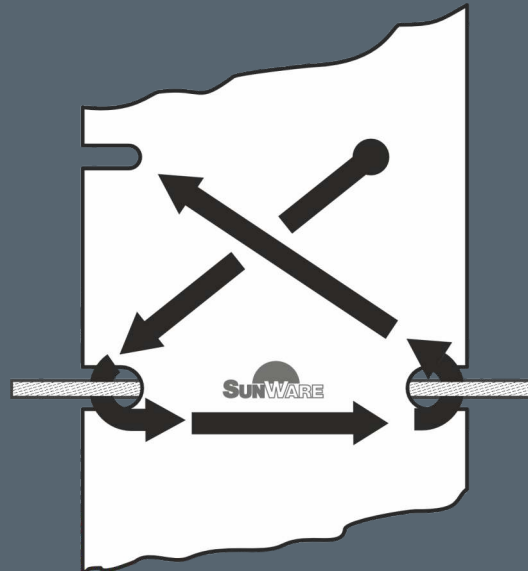
SunWare - Made in Germany

The special feature of the solar panels are the TX-Risers specially developed for the wire rope railing to rise up the panels to the sun.

Thanks to the reflection of light on the surface of the water, remarkable performance is achieved despite vertical alignment.

To further increase performance, e.g. when anchoring, the panels can be rised with the TX-Risers.

The TX-Risers are attached to the wire rope in a few simple steps using the elastic band. See sketch.



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SUNWARE



power source railing
TX-Rail Solar Panels
smart addition for more energy

TX-Rail - The Railing Solution

The special feature about the TX-Rail solar panels are the TX-Risers, which were specially developed for the wire rope railing. Once the panels have been hung up, they can generate electricity both when hanging flat on the railing or when risen up to the sun.



The upper cable remains free and is still available as a safety handrail or for attaching fenders. Cables are routed along the railing pillar to the deck and on to a plug-in deck bushing.

The panels consist of one or more wings. In the case of multiwing panels, these are firmly connected by textile joints. The cable between the panels runs along the joints, so tensile forces and buckling loads cannot act on the cable in the first place. Lateral eyelets are used for lengthwise fastening.



Hanging flat on the railing, the wings are connected with LOXX.

Lateral eyelets are used for lengthwise fastening.

TX-Riser - "rise up to the sun"

The TX-Risers allow the panels to be risen up to the sun to increase performance. They are encapsulated on both sides in robust tarpaulin fabric, have a soft laminate edge and are attached to the panel with LOXX.



Two TX-Risers are used per panel.

To rise up, lift one side of the panel, fold down the two TX-Risers and fix them to the lower wire rope with the elastic rope.

If overloaded, the TX-Riser slides over the wire rope to prevent damage.



The single wing TX-Rail 12052 panel is attached to the railing rope with screw hooks. The panel is risen up the seaward side with two TX-Riser Mono. The aisle remains free.



To rise up, the upper LOXX on the TX-Riser is released and the end of the TX-Riser is fixed to the steel rope with the elastic rope.

Eyelets are inserted at the sides for lengthwise fixation.

