

FLINsail INFO SHEET

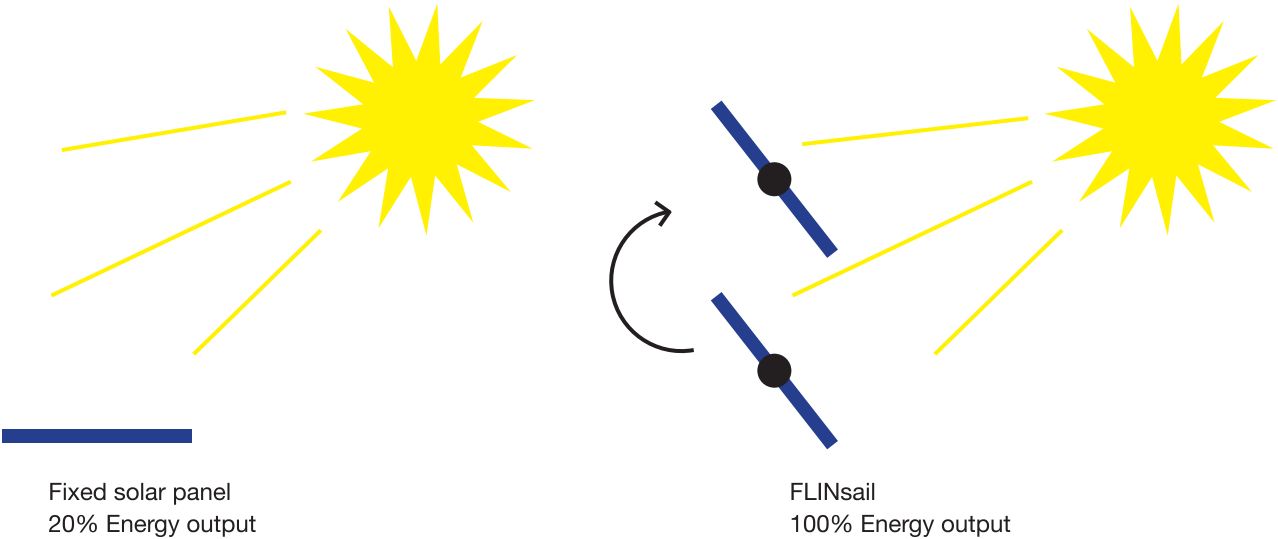
06/2021



FLIN - Solar energy for your sailing yacht.

FLINsail - The efficient solar solution

The FLINsail can be optimally aligned with the sun at any time of day and supplies 50% more energy over the course of the day than a permanently mounted solar module.



The FLINsail is adapted to your energy needs: With the 2M-FLINsail, your refrigerator can be permanently powered even at anchor. The 6M-FLINsail provides enough energy to run an emotor or even to cook electrically on board.

						
	2M-FLINsail light	2M-FLINsail tough	3M-FLINsail	4M-FLINsail	5M-FLINsail	6M-FLINsail
Power	200W	200W	300W	400W	500W	600W
Voc	26,0V	26,0V	39,0V	52,0V	65,0V	78,0V
ISC	9,7A					
VMPP	22,0V	22,0V	33,0V	44,0V	55,0V	66,0V
IMPP	8,9A					
Weight	7,0kg	8,5kg	10,0kg	11,5kg	13,0kg	14,5kg
Min. mast height	5,5m	5,5m	6,5m	7,5m	8,5m	9,5m
Max. Wind speed	18kn	28kn	18kn	16kn	14kn	12kn
Price incl. 19% VAT.	1.520,00€	1.615,00€	2.420,00€	3.225,00€	4.035,00€	4.840,00€

During sailing, the FLINsail is stored in the supplied transport bag. If the FLINsail is to be set, the bag can be attached to the main boom via the rubber loops so that the solar modules can be pulled into the mast - similar to a mainsail from Lazy Bags.



Dimensions: 1150 mm x 550 mm x 130 mm

The solar modules of the FLINsail are made of highly efficient monocrystalline solar cells to generate the maximum energy from the solar surface. Thanks to state-of-the-art manufacturing processes such as SmartWire technology, the solar modules are extremely robust and therefore very durable.



In the system, the solar modules are held by Dyneema lines so that they can be aligned synchronously with the sun.

The cables of the FLINsail are sheathed with Dyneema to ensure greater robustness. The FLINsail can be connected to the charge controller via MC4 connectors. In doing so, the cables can be laid flying through the companionway or a hatch. If the FLINsail is used regularly, fixed cabling with deck feedthrough via connectors at the mast base is recommended. The FLINsails are completely waterproof according to IP67.



A joint is integrated in each of the FLINsail's module junction boxes, around which the solar modules can be rotated. The FLINsail is held on the mast of your sailing yacht by the FLIN mast sliders.

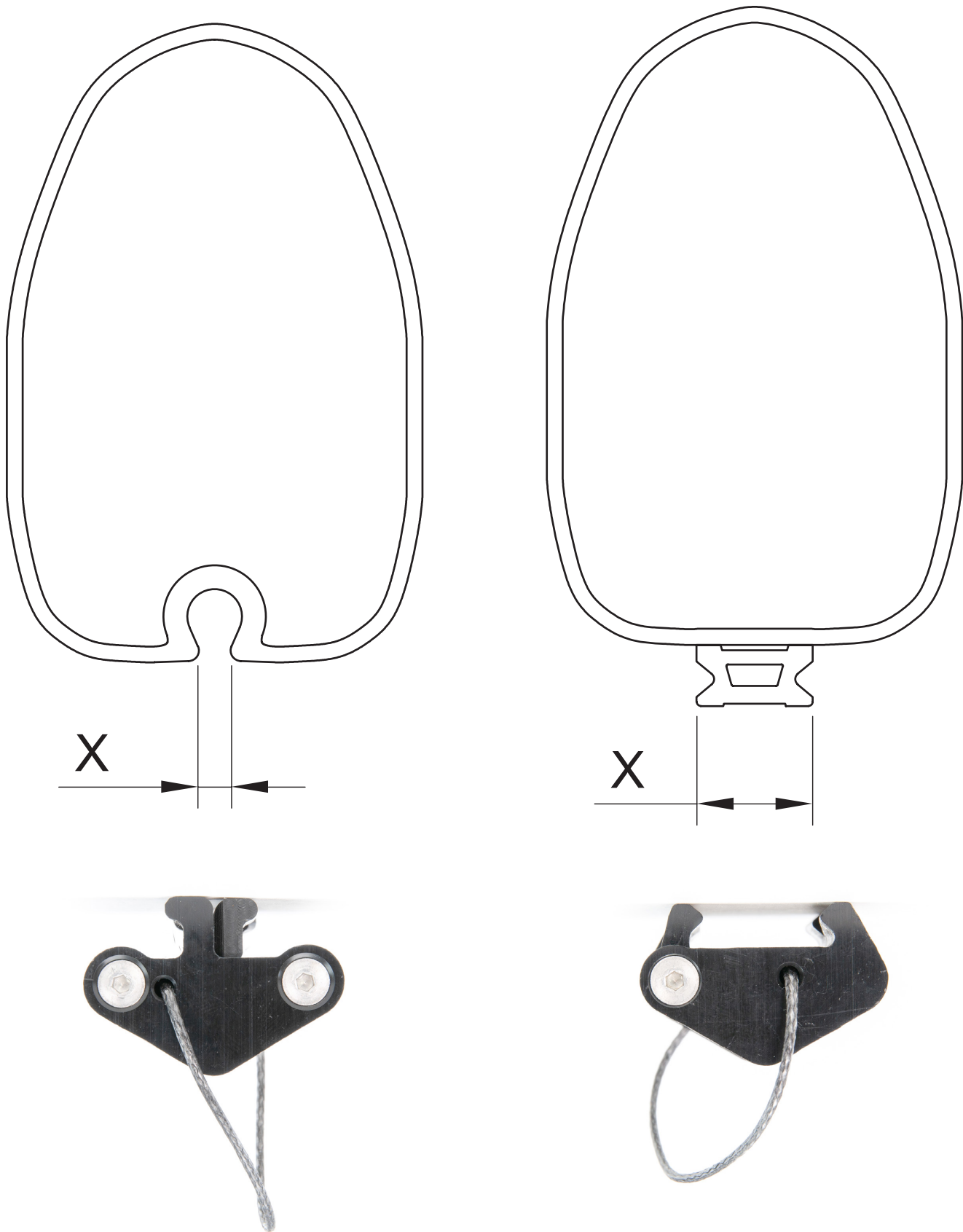


The functional mast sliders



With the help of the FLIN mast sliders, the FLINsail can be used quickly and flexibly at any time. The specially developed mast sliders simply click into the mast groove above the mainsail, and the FLINsail can be hoisted over the mainsail halyard like a sail.

By pulling the loop, the mast slider tapers so that it can be clicked into the mast groove. When the loop is released again, the mast slider forms a thickening by spring force and finds a hold in the mast groove.



We supply the appropriate FLIN mast sliders for your mast system: Please let us know the width X of your mast groove or T-rail.

The right charge controller

The choice of MPPT solar charge controller depends on your on-board voltage and the size of the FLINsail. We will be happy to offer you the appropriate charge controller.

	MPPT-Solar-Laderegler		
FLINsail	12V	24V	48V
2M-FLINsail light	Victron Energy 75/15	Genasun 24V	Genasun 48V
2M-FLINsail tough	Victron Energy 75/15	Genasun 24V	Genasun 48V
3M-FLINsail	Victron Energy 100/20	Victron Energy 75/15	Genasun 48V
4M-FLINsail	Victron Energy 100/30	Victron Energy 75/15	-
5M-FLINsail	Victron Energy 100/50	Victron Energy 100/20	-
6M-FLINsail	Victron Energy 100/50	Victron Energy 100/30	Victron Energy 100/20

The MPPT solar charge controllers from Victron Energie and Genasun feature very fast maximum power point tracking, so they fully exploit the performance of the FLINsail in all weather conditions.

MPPT-Solar-Laderegler	Preis inkl. 19% MwSt.
Victron Energy SmartSolar MPPT 75/15	121,38 €
Victron Energy SmartSolar MPPT 100/20	161,84 €
Victron Energy SmartSolar MPPT 100/30	232,65 €
Victron Energy SmartSolar MPPT 100/50	333,80 €
Genasun GVB-8 Lead-Acid MPPT 12 V	129,00 €
Genasun GVB-8 Lead-Acid MPPT 24 V	169,00 €
Genasun GVB-8 Lead-Acid MPPT 48 V	175,00 €

Victron Energie’s charge controllers have a Bluetooth interface to monitor the FLINsail’s charging performance via smartphone. The app helps to find the optimal orientation of your FLINsail so that it delivers maximum power at any time of day.



We will be happy to provide you with an individual offer. Please let us know the FLINsail you require, your on-board power supply voltage and the width X of your mast slot or T-rail.

**Enjoy your freedom and become independent
with solar energy.**



FLIN solar GmbH
Christianspries 30
24159 Kiel

www.flin-solar.de
info@flin-solar.de

