

Datasheet: FLINrail

FLINrail – Solar modules for the railing

The FLINrail is the perfect solar solution for retrofitting. With no complex installation required, the solar panel simply hooks into the railing and can be used both at anchor and while sailing. Depending on the requirements, a choice can be made from the three available variants: The FLINrail, the bifacial FLINrail+ and the bifacial FLINrail+ hc with half cells. Bifacial solar modules allow energy to be generated from both sides and are therefore particularly advantageous in diffuse light conditions. Half solar cells double the electrical voltage and the current is halved. This increases the flexibility when choosing a charge controller.

The FLINrail hooks quickly and easily into the railing wire. A line runs out of each corner and disappears into the frame of the solar panel. The loose ends are hooked into the foot railing or the lower railing wire using the carabiners. When the FLINrail is aligned, the loose lines pull themselves into the frame of the module and tighten with the push of a button. With the help of the four clamps in the corners, the FLINrail can be fixed steplessly at any angle.



Datasheet: FLINrail

Technical data

			
Model	100 W Panel	100 W+ Panel	100 W+ hc Panel
Dimensions	1070 mm x 560 mm x 20 mm		
Cabel length	1000 mm		
Plug type	MC4		
Weight	2,5 kg		
Max. wind speed	25 kn		
Power	100 W	100 W	100 W
Power bifacial	-	120 W	120 W
Voc	12,9 V		25,8 V
Isc	9,7 A		4,85 A
Isc, Bifacial	-	10,67 A	5,345 A
V_{MPP}	11,3 V		22,6 V
I_{MPP}	8,9 A		4,45 A
I_{MPP}, Bifacial	-	10,62 A	5,31 A
Protection class	IP67		

Note: The data listed are guide values which are subject to a production-related tolerance.