

Datasheet: FLINrail+ MultiVolt 100W+

FLINrail+ MultiVolt 100W+ Solar modules for the railing

The **FLINrail+ MultiVolt 100W+** is the **next generation** of our proven railing solar modules and the perfect solar solution for retrofitting.

Thanks to a **V_{mpp} of 60.5 V**, the module can be used universally to charge **12 V, 24 V, and 48 V batteries** via MPPT controllers.

The solar module is simply hooked into the railing and can be used both at **anchor** and **while sailing**.

With the new MultiVolt technology, sailors benefit from maximum flexibility and energy yield.

The **six integrated bypass diodes** ensure **optimum shade resistance** and reliably prevent hotspots – even in complex installation situations or changing light conditions.

As with the proven FLINrail+, the **MultiVolt** can be quickly and easily hooked into the railing wire.

A line runs from each corner and disappears into the frame of the solar module.

The loose ends are hooked into the foot rail or the lower railing wire using the carabiners.

When the module is aligned, the loose lines automatically retract into the frame at the touch of a button and tension

themselves automatically. With the four corner clamps, the FLINrail+ MultiVolt 100W+ can be fixed **continuously at any desired angle** – for **optimal alignment with the sun**.



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Technical data

Model	FLINrail+ MultiVolt 100W+
Dimensions	1122 mm x 560 mm x 20 mm
Cabel length	900 mm
Plug type	MC4
Weight	3.0 kg
Max. wind speed	40 kn
Power	100 W
Power bifacial	130 W
V_{OC}	72.6 V
I_{SC}	1.78 A
I_{SC}, Bifacial	2.32 A
V_{MPP}	60.5 V
I_{MPP}	1.65 A
I_{MPP}, Bifacial	2.14 A
Protection class	IP67
Efficiency	23 %
Power-temperature coefficient	-0.24 % / °C
Voltage-temperature coefficient	-0.25 % / °C
Current-temperature coefficient	-0.06 % / °C
Number of bypass diodes	6

Note: The data listed are approximate values that are subject to production-related tolerances.