

Top quality  
suitable for  
off-road use.

## SOLARA S-Series Vision

### INDESTRUCTIBLE DUE TO UNIQUE GLASS/GLASS TECHNOLOGY

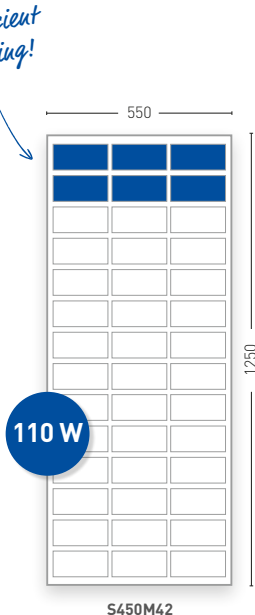
- Fully walkable
- Bifacial MonoPerc high-performance cells with > 22 % efficiency
- 190 watts with high-voltage technology and for charging 12V and 24V battery systems
- Robust, seawater-resistant aluminium profile frame
- Tropical roof capable and OFF-ROAD use suitable
- Large, waterproof junction box
- Suitable for use even under extreme climatic conditions
- Designed and manufactured for permanent use on water and on land
- Manufactured exclusively in Germany



## SOLARA S-Series Vision



*Extra cells for efficient charging!*



### PERFORMANCE

Type	S450M42	S770M68
Daily output in summer in Germany (Ø) Wh/d	440	770
Rated output <sup>1</sup> (Pmpp) Wp	110	190
Short-circuit current (Isc) A	4.95	4.95
Open-circuit voltage (Uoc) V	27.62	44.72
Voltage (Umpp) V	23.50	38.05
Current (Impp) A	4.68	4.68
No. of cells	42	68

<sup>1</sup> Performance at STC, Standard Testing Conditions: 1000 W/m<sup>2</sup>, AM 1.5, cell temperature 25° C

### Dimensions and weight

Dimensions (L x W x H) mm	1250 x 550 x 35	1500 x 680 x 35
Weight kg	9.4	13.5
Cell dimensions mm	156 x 78	156 x 78

### Thermal properties

TK Pmpp %/°C	-0.42
TK Uoc %/°C	-0.32
TK Isc %/°C	0.04
NOCT °C	46 ± 2

### Used materials

Cell technology	Bifaciale monocrystalline PERC with > 22 % efficiency
Front/back	Tempered solar glass with anti-reflective coating
Frame	Anodized aluminium hollow profile, black
Junctionbox	IP67 with original MC4 connector

### More technical data

Measuring accuracy Pmpp at STC	± 5 %
Operating temperature range	-40°C to +85°C
Glass thickness	2 x 2 mm

