



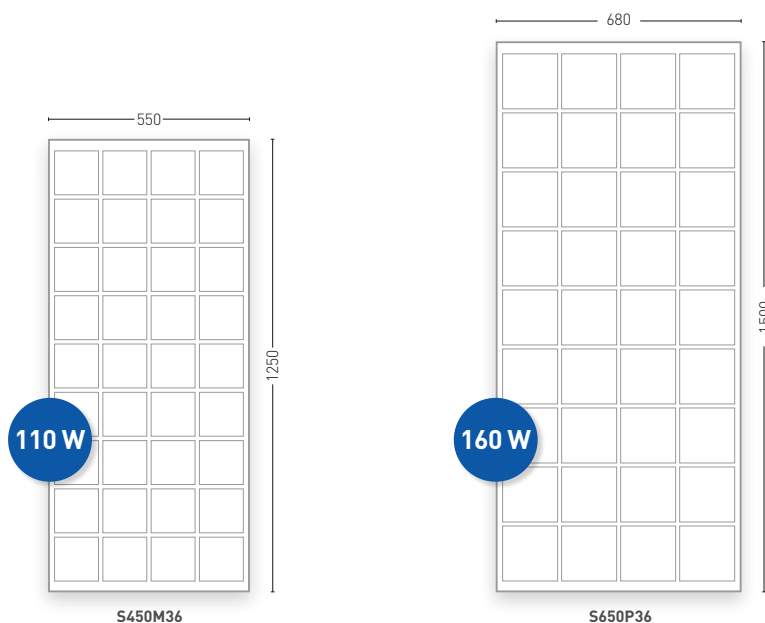
SOLARA S-Series Vision

INDESTRUCTIBLE DUE TO UNIQUE GLASS/GLASS TECHNOLOGY

- Fully walkable
- Robust, seawater-resistant aluminium profile frame
- Tropical roof capable and OFF-ROAD use suitable
- Large, waterproof junction box with connection cable, MC4 compatible
- 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



PERFORMANCE

Type	S450M36	S650P36
Daily output in summer in Germany (Ø) Wh/d	440	640
Rated output * (Pmpp) Wp	110	160
Short-circuit current (Isc) A	6.50	8.98
Open-circuit voltage (Uoc) V	21.70	2.97
Voltage (Umpp) V	17.70	19.30
Current (Impp) A	6.20	8.29
No. of cells	36	36

* Performance at STC, Standard Testing Conditions: 1000 W/m², 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	15.0
Cell dimensions mm	125 x 125	156 x 156

Thermal properties

TK Pmpp %/K	-0.45
TK Uoc %/K	-0.36
TK Isc %/K	0.03
NOCT °C	46 ± 2

Used materials

Cell technology	Mono or poly (multi) crystalline cells
Front/back	Tempered solar glass
Frame	Anodized aluminium hollow profile, silver
Junctionbox	IP65 with MC4 compatible connectors

More technical data

Reverse current IR loadability	12 A
Measuring accuracy Pmpp at STC	± 5 %
Operating temperature range	-40°C to +85°C
Glass thickness	2 x 2 mm

