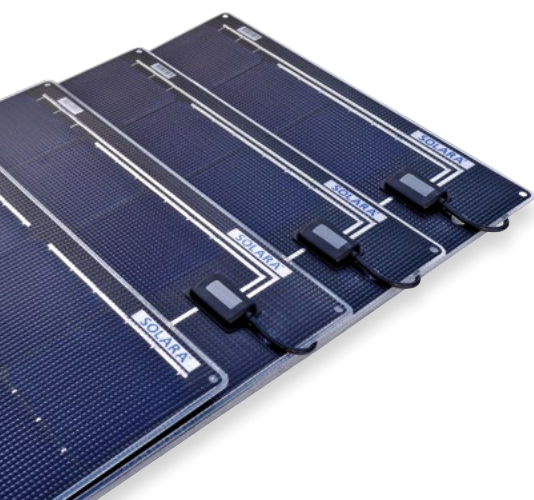


Long
lasting even
under the
harshest
conditions.

SOLARA Power M-Series

HIGHEST DAILY YIELDS BY SUNPOWER CELLS

- Solar cells with over 23 % efficiency
- Additional solar cells for efficient charging
- Highest yields in every season due to excellent low-light performance - even in diffused light
- Designed and manufactured for permanent use on water and on land
- All materials withstand extreme heat, high humidity, sea and salt water
- External cell protector with protection diodes included
- Extremely flat module construction with aluminium sandwich support plate
- Flat, glued and screwed cable outlet with strain relief
- Fully walkable on firm ground
- Cable lead-through already prepared in the carrier plate
- Manufactured exclusively in Germany

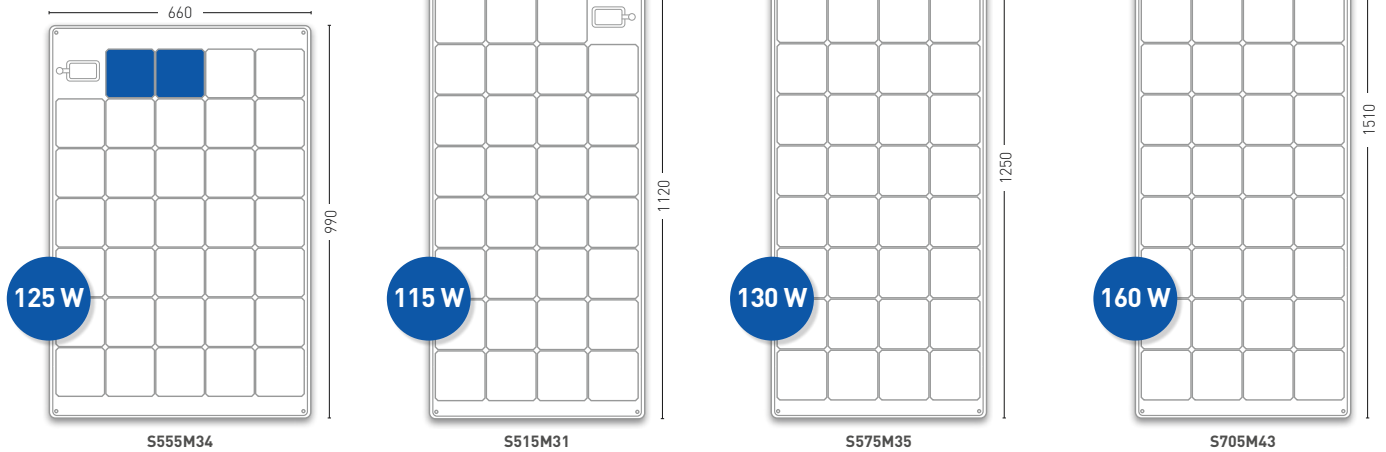


SOLARA Power M-Series



Now even more power

Extra cells for efficient charging!



PERFORMANCE

Type	S555M34	S515M31	S575M35	S705M43
Daily output in summer in Germany (Ø) Wh/d	555	515	575	705
Rated output ¹ (Pmpp) Wp	125	115	130	160
Short-circuit current (Isc) A	6.40	6.40	6.40	6.40
Open-circuit voltage (Uoc) V	24.82	22.63	25.55	31.39
Voltage(Umpp) V	21.08	19.22	21.70	26.66
Current (Imp) A	6.04	6.04	6.04	6.04
No. of cells	34	31	35	43

¹ 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	990 x 660 x 4	1120 x 545 x 4	1250 x 545 x 4	1510 x 545 x 4
Weight kg	3.85	3.6	3.95	5.2
Cell dimensions mm	125 x 125	125 x 125	125 x 125	125 x 125

Thermal properties (per cell)

TK Pmpp %/°C	-0.29
TK Uoc mV/°C	-1.74
TK Isc mA/°C	2.90
NOCT °C	46 ± 2

Used materials

Cell technology	Sunpower, monocrystalline with back contact
Front/back	ETFE front and back side foil, welded at the edge
Cable outlet	Solid, flat, seawater tight, glued and screwed
Connecting cable	3 m, 2 x 2.5 mm ²

More technical data

Measuring accuracy Pmpp at STC	± 5 %
Operating temperature range	-40°C to +85°C

