

Long
lasting even
under the
harshest
conditions.

SOLARA Power M-Series

HIGHEST DAILY YIELDS BY SUNPOWER CELLS

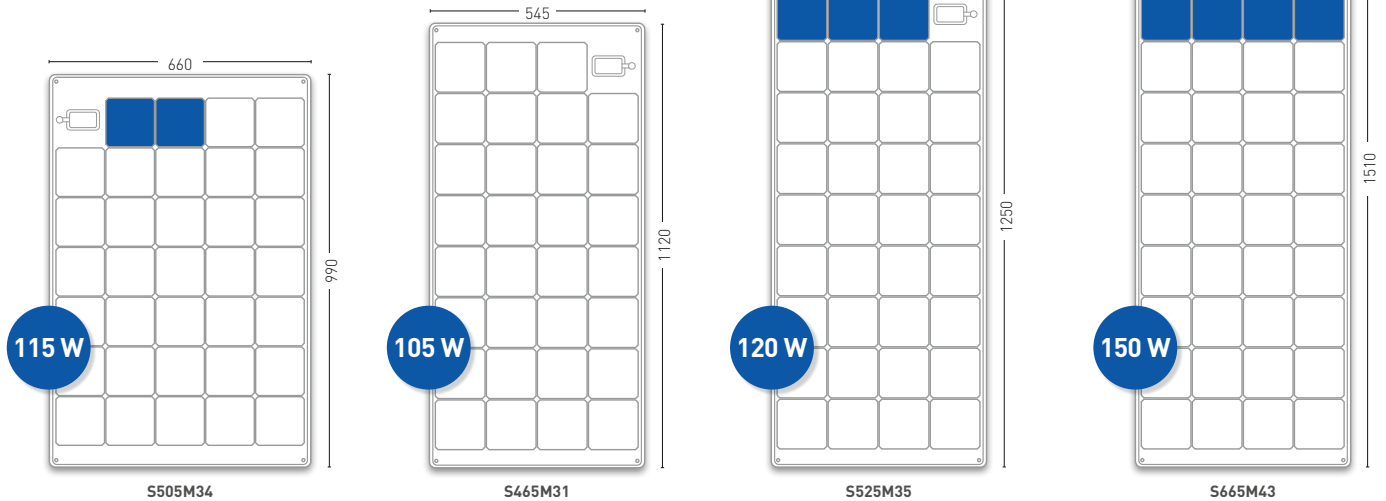
- Solar cells with over 23% efficiency
- Additional solar cells for efficient charging
- Highest yields in every season due to excellent low-light performance - even in diffused light
- Designed and manufactured for permanent use on water and on land
- All materials withstand extreme heat, high humidity, sea and salt water
- Cell protector with external 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-Serie



Now even more power



PERFORMANCE

Type	S505M34	S465M31	S525M35	S665M43
Daily output in summer in Germany (Ø) Wh/d	505	465	525	665
Rated output * [Pmpp] Wp	115	105	120	150
Short-circuit current (Isc) A	6.30	6.30	6.30	6,30
Open-circuit voltage (Uoc) V	24.22	21.69	24.73	31.06
Voltage(Umpp) V	19.82	18.10	20.68	25.86
Current (Impp) A	5.80	5.80	5.80	5.80
No. of cells	34	31	35	43

* 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	4.2	3.6	4.4	5.2
Cell dimensions mm	125 x 125	125 x 125	125 x 125	125 x 125

Thermal properties

TK Pmpp %/K	-0.38
TK Uoc %/K	-0.28
TK Isc %/K	0.057
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
Hotspot Protector (external)	Standard for all module types

More technical data

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

