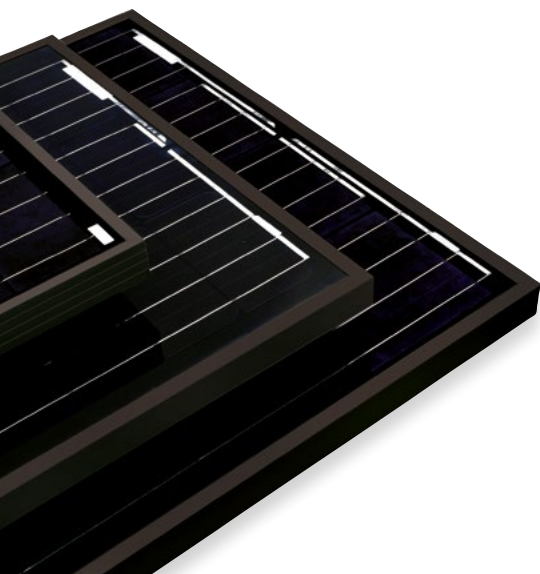


Specially
developed for
mobile use.

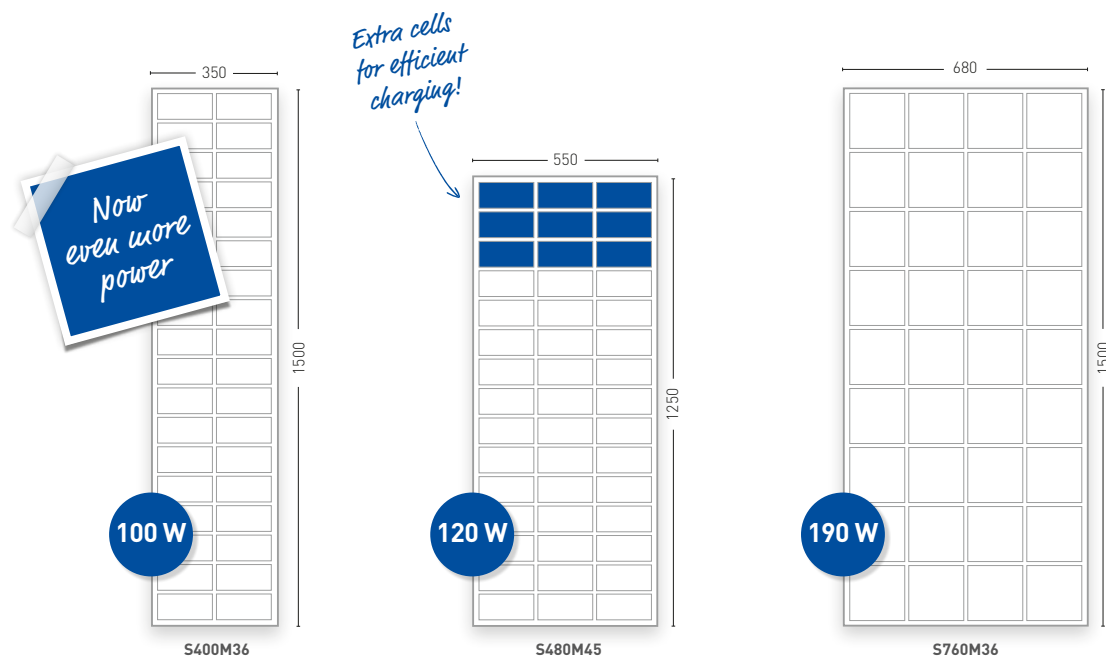
SOLARA S-Series

ROBUST AND RELIABLE DEVELOPED FOR MOBILE APPLICATIONS

- Solar modules with 36/45 high-performance solar cells
- Additional solar cells for efficient charging (S480M45 only)
- Designed and manufactured for permanent use on water and on land
- Robust, seawater-resistant, torsion-resistant aluminium profile frame
- Drainage holes to prevent frost damage
- Large, waterproof junction box with connection cable, MC4 compatible
- Manufactured exclusively in Germany



SOLARA S-Series



PERFORMANCE

Type	S400M36	S480M45	S760M36
Daily output in summer in Germany (Ø) Wh/d	400	480	760
Rated output ¹ (P _{mp}) Wp	100	120	190
Short-circuit current (I _{sc}) A	5.04	4.89	10.09
Open-circuit voltage (U _{oc}) V	24.16	29.94	24.14
Voltage (U _{mp}) V	20.70	25.65	20.13
Current (I _{mp}) A	4.83	4.68	9.44
No. of cells	36	45	36

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	1500 x 350 x 35	1250 x 550 x 35	1500 x 680 x 35
Weight kg	7.9	6.6	9.3
Cell dimensions mm	156 x 78	156 x 78	156 x 156

Thermal properties

TK P _{mp} %/°C	-0.42
TK U _{oc} %/°C	-0.32
TK I _{sc} %/°C	0.04
NOCT °C	46 ± 2

Used materials

Cell technology	Monocrystalline PERC with > 22 % efficiency
Frontside	Tempered solar glass with anti-reflective coating
Frame	Anodized aluminium hollow profile, black
Junctionbox	IP67 with original MC4 connector

More technical data

Measuring accuracy P _{mp} at STC	± 5 %
Operating temperature range	-40°C to +85°C
Glass thickness	3.2/2.0 mm

