



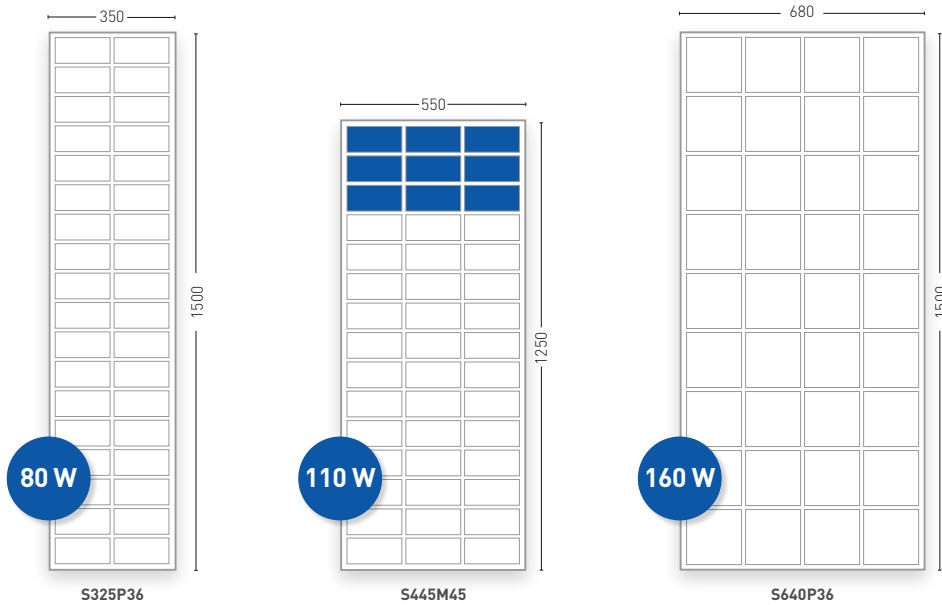
SOLARA S-Series

ROBUST AND RELIABLE DEVELOPED FOR MOBILE APPLICATIONS

- Solar modules with 36/45 high-performance solar cells
- 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	S325P36	S445M45	S640P36
Daily output in summer in Germany (Ø) Wh/d	325	445	640
Rated output * (Pmpp) Wp	80	110	160
Short-circuit current (Isc) A	4.40	6.86	8.98
Open-circuit voltage (Uoc) V	22.70	27.59	22.97
Voltage (Umpp) V	19.20	24.39	19.30
Current (Impp) A	4.20	4.51	8.29
No. of cells	36	45	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	1500 x 350 x 35	1250 x 550 x 35	1500 x 680 x 35
Weight kg	7.9	6.6	12.1
Cell dimensions mm	156 x 78	156 x 78	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	3.2/2.0 mm

