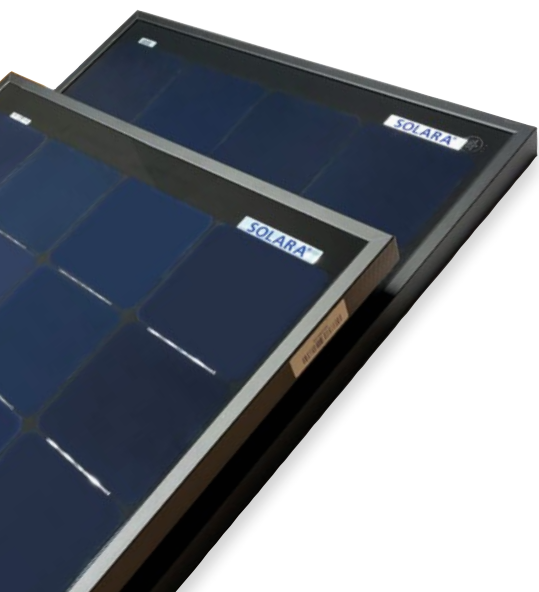




SOLARA Power S-Series

HIGHEST DAILY SUPPLY BY SUNPOWER CELL

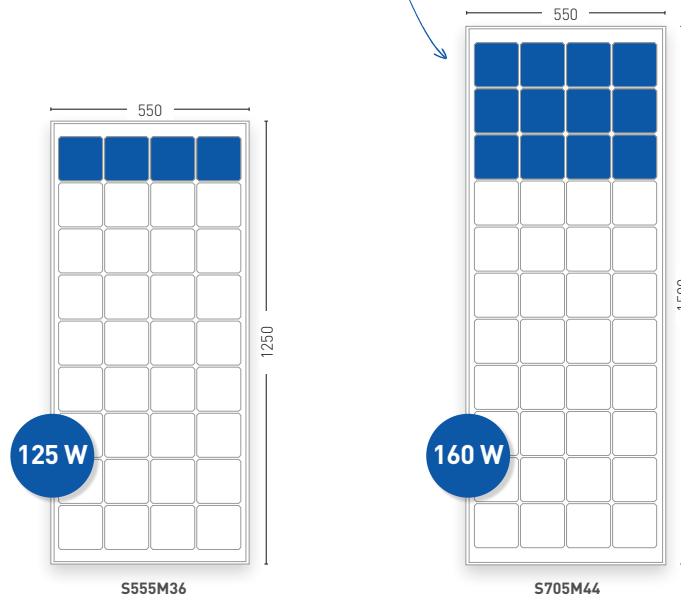
- Increased number of cells for maximum daily yield
- Solar cells with over 23% efficiency
- Additional solar cells for efficient charging
- Use of 2.0 mm thick, scratch-resistant, thermally tempered solar glass
- Excellent mechanical strength thanks to the torsion-resistant module frame
- Large, waterproof junction box with connection cable, MC4 compatible
- Specially designed for long-term use in extreme heat and high humidity
- Manufactured exclusively in Germany



SOLARA Power S-Series



Extra cells for efficient charging!



PERFORMANCE

Type	S555M36	S705M44
Daily output in summer in Germany (Ø) Wh/d	555	705
Rated output ¹ (Pmpp) Wp	125	160
Short-circuit current (Isc) A	6.87	6.42
Open-circuit voltage (Uoc) V	24.68	31.05
Voltage(Umpp) V	19.08	26.65
Current (Impp) A	6.56	6.01
No. of cells	36	44

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	1250 x 550 x 35	1500 x 550 x 35
Weight kg	6.6	9.5
Cell dimensions mm	125 x 125	125 x 125

Thermal properties

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
Frontside	Tempered solar glass
Frame	Anodized aluminium hollow profile, silver
Junctionbox	IP67 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	2.0 mm

