



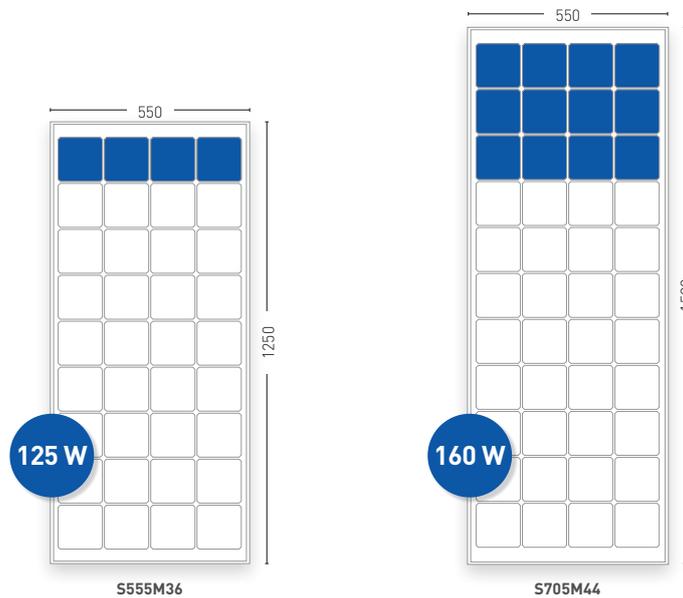
SOLARA Power S-Series

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



PERFORMANCE

Type	S555M36	S705M44
Daily output in summer in Germany (Ø) Wh/d	555	705
Rated output * (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

* 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 %/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	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

