

## Power M-Series

110 W ■ 115 W

Maximum performance –  
even under extreme conditions

### Appearance and design:

- Elegant and attractive design
- Extremely flat shape (5 mm) with aluminium Dibond plate
- Flexible and bendable plate for adaptable mounting on curved surfaces (up to 3%)
- High stability even to walk on when installed flatly on solid subsurface
- Already prepared cable gland in the carrier plate

### Excellent performance with top quality:

- Highest efficiency ensured by the use of monocrystalline Back-Contact cells with 22% efficiency
- Increased tension thanks to additional single cells
- Best low-light behaviour – high yields even under diffuse irradiation
- Especially developed for permanent operation at extreme heat as well as high humidity
- Equipped with an UV resistant solar cable, seawaterproof cable outlet and mounting holes
- External cell protector with bypass diodes offers protection against cell overheating
- Manufactured exclusively in Germany



\* You can find detailed information in the Centrosolar AG warranty conditions.

Slight colour variation of modules is possible due to specific conditions in production.



## SOLARA Power M-Series

### Performance under STC\*

Module type	S 440M34 Marine	S 460M35 Marine	
Daily output in summer in Germany (Ø)	440	460	Wh/d
Nominal power (P <sub>mpp</sub> )	110	115	Wp
Short-circuit current (I <sub>sc</sub> )	6.30	6.30	A
Open-circuit voltage (U <sub>oc</sub> )	23.30	24.00	V
Voltage (U <sub>mpp</sub> )	19.70	20.30	V
Current (I <sub>mpp</sub> )	5.90	5.90	A
Cell efficiency (η)	> 22	> 22	%

\* Under standard testing conditions STC (1,000 W/m<sup>2</sup>, spectrum 1.5, cell temperature 25 °C)

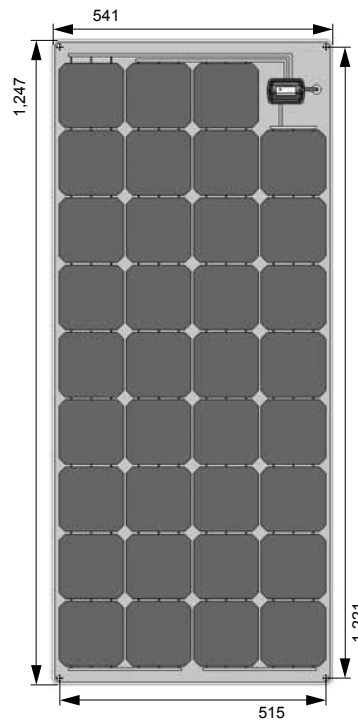
### Dimensions and weight

Dimensions (LxW)	987 x 681	1,247 x 541	mm
Weight	7.3	8.0	kg
Cabel lenght	2.5	2.5	m

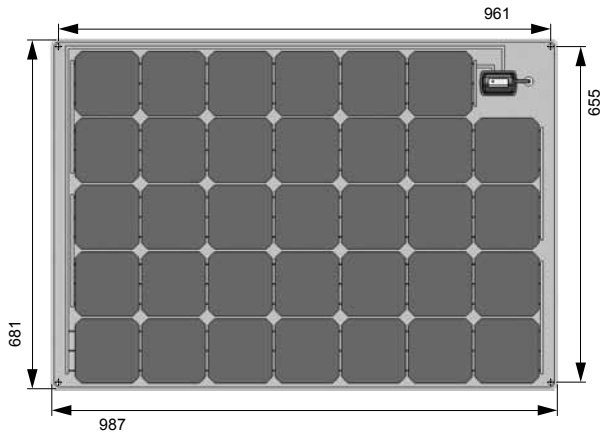
### Material used

Number of cells	34 (S 440M34) 35 (S 460M35)
Cell technology	monocrystalline Back-Contact cells
Front and rear side	High resistant and watertight foil (Nowoflon), sealed laterally with the same backsheets foil
Cable outlet (front side)	Robust, small, flat, sealed and waterproof cable outlet, screwed and potted

S 460M35 Marine



S 440M34 Marine



As of 08/2013. Errors and omissions excepted. Technical changes reserved.  
Measurements in mm

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