



Module

# S-Class Deluxe

monocrystalline

185 Wp ■ 190 Wp ■ 195 Wp



## The stylish solar solution

The synergy of design and ecology, the ideal combination of roofing and power generation, based on monocrystalline 6 inch plus high-performance cells. Anti-reflective glass, dark background foil, black Solrif frame and the tried-and-tested in-roof system included as standard.

- Suitable for new roofs and refurbishments
- Featuring anti-reflective glass for a better performance
- Long-lived due to the use of high quality materials
- Tested system structure and rain-proofing
- Combines weather protection, design and ecological power generation
- For covering all of the roof surface or integration via cladding
- Suitable for all pitched roofs and types of tile
- Makes use of the existing substructure
- Easy to install, safe operation
- Safe electric connection via pin-and-socket connector system



## S-Class Deluxe monocrystalline

### Electrical data\*

Module type	S 185M50 Deluxe	S 190M50 Deluxe	S 195M50 Deluxe	
Nominal power ( $P_{MPP}$ )	185	190	195	Wp
Voltage ( $U_{MPP}$ )	24.10	24.15	24.20	V
Current ( $I_{MPP}$ )	7.68	7.87	8.06	A
Open circuit voltage ( $U_{OC}$ )	30.40	30.50	30.60	V
Short circuit current ( $I_{SC}$ )	8.15	8.33	8.51	A
Power coefficient ( $\Delta P_{MPP}$ )	-0.43	-0.43	-0.43	%/K
Voltage coefficient ( $\Delta U_{OC}$ )	-0.36	-0.36	-0.36	%/K
Current coefficient ( $\Delta I_{SC}$ )	0.027	0.028	0.028	%/K

\* Under standard test conditions STC (1000 W/m<sup>2</sup>, spectrum AM 1.5, cell temperature 25° C)

### Dimensions and weight

Length	1682	mm
Width	864	mm
Height / with junction box	16 / 32	mm
Laying measurements	1663 x 833	mm
Weight	17.5	kg

### Quality characteristics

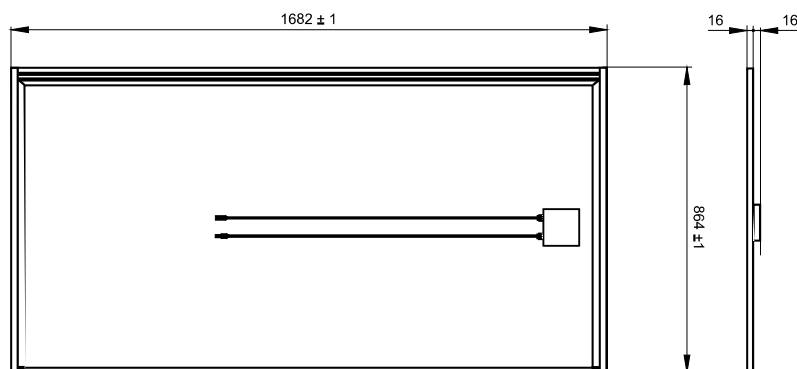
Performance tolerance	±3%
Performance guarantee**	10 years at 90%, 26 years at 80% performance
Product warranty**	5 years
Max. system voltage	1000 V

\*\* According to the Centrosolar guarantee conditions (incl. product and performance guarantee).

### Construction characteristics

Cells	50 monocrystalline 6 inch plus solar cells, semi-square
Design	Glass-EVA-TEDLAR®
Front	Highly transparent solar safety glass with antireflective surface
Rear	TEDLAR® foil, black
Frame	SOLRIF XL, aluminium, black
Junction box	Protection category IP65, three integrated bypass diodes
Connection cable	2 x 1.2 m, pin-and-socket connector system

Specifications subject to change without notice, version 10/2009



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

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