

# S-Class Integration Deluxe

190 Wp ■ 195 Wp ■ 200 Wp ■ 205 Wp

In-roof system for excellence in design and high yields

- Attractive design solution\*
- In-roof panels with Solrif frame
- Easy to install, reliable operation
- Rainproofed in combination with recommended CS mounting systems
- Highest yields even under diffuse light conditions
- Multiple award-winning anti-reflective glass
- Lockable plug connectors
- Positive power classification
- Manufactured in the CENTROSOLAR factory, certified in accordance with DIN EN ISO 9001:2008, 14001:2009 and OHSAS 18001
- Ten-year product warranty\*\*
- 26-year linear performance warranty\*\*



\* Slight colour variation of panels is possible due to specific conditions in production.  
 \*\* For detailed information, please consult the Centrosolar AG warranty conditions.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Heavy Snow Load tested
- Ammonia resistance tested
- Salt corrosion resistance tested
- ANSI/UL 1703 Rstcd
- Periodic inspection



## S-Class Integration Deluxe, polycrystalline

### Performance under STC\*

Panel type	S 195P50	S 200P50	S 205P50	S 210P50	
Rated power (Pmpp)	195	200	205	210	Wp
Short-circuit current (Isc)	8.83	8.95	9.01	9.13	A
Open-circuit voltage (Uoc)	31.06	31.27	31.5	31.65	V
Voltage (Umpp)	23.99	24.17	24.56	24.75	V
Current (Impp)	8.15	8.29	8.36	8.49	A
Efficiency $\eta^{**}$	13.48	13.82	14.16	14.49	%

\* Under Standard Test Conditions (STC) (1,000 W/m<sup>2</sup>, spectrum AM 1.5, cell temperature 25°C), measurement tolerances STC:  $\pm 3\%$  (Pmpp);  $\pm 10\%$  (Isc, Uoc, Impp, Umpp)

### Power at 800 W/m<sup>2</sup>, NOCT, AM 1.5

Panel type	S 195P50	S 200P50	S 205P50	S 210P50	
Rated power (Pmpp)	146.55	150.24	153.77	157.34	Wp
Short-circuit current (Isc)	7.11	7.20	7.25	7.35	A
Open-circuit voltage (Uoc)	29.27	29.46	29.68	29.82	V
Voltage (Umpp)	22.60	22.77	23.11	23.28	V
Current (Impp)	6.48	6.60	6.65	6.76	A

### Thermal properties

TC Pmpp	-0.43	%/K
TC Uoc	-0.36	%/K
TC Isc	0.03	%/K
NOCT	46 $\pm$ 2	°C

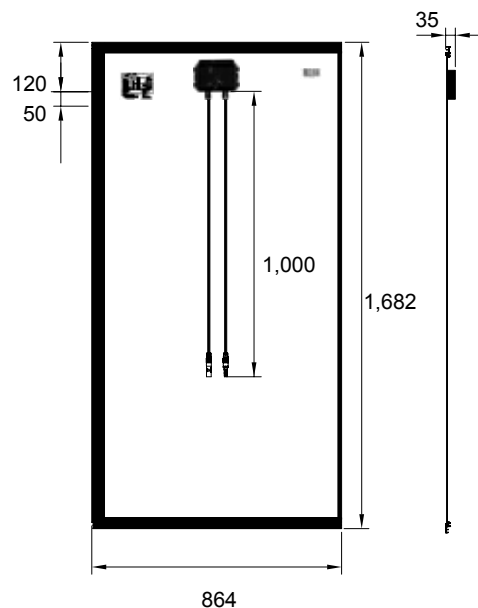
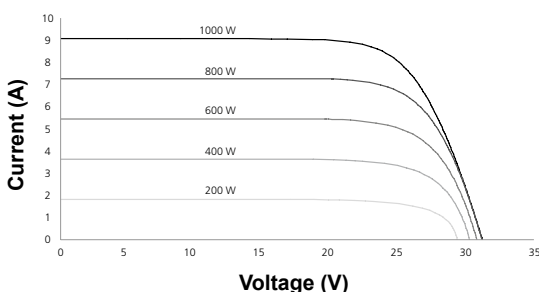
### Other technical specifications

Class range (positive classification)	-0/+4.99	W
Max. system voltage	1,000	V
Weight	17.5 $\pm$ 0.5	kg
Reverse current load IR	15	A
Pmpp measurement accuracy at STC	$\pm 3$	%
Frame height	35	mm

### Materials used

Cell count	50
Cell dimensions	156 mm x 156 mm
Front side	Hardened solar glass
Connector	IP65

I-V curve S 205P50 Integration Deluxe



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Measurements in mm

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