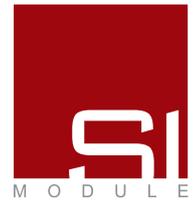


SI-ENDURO

B265/305 – B270/310 BIFACIAL

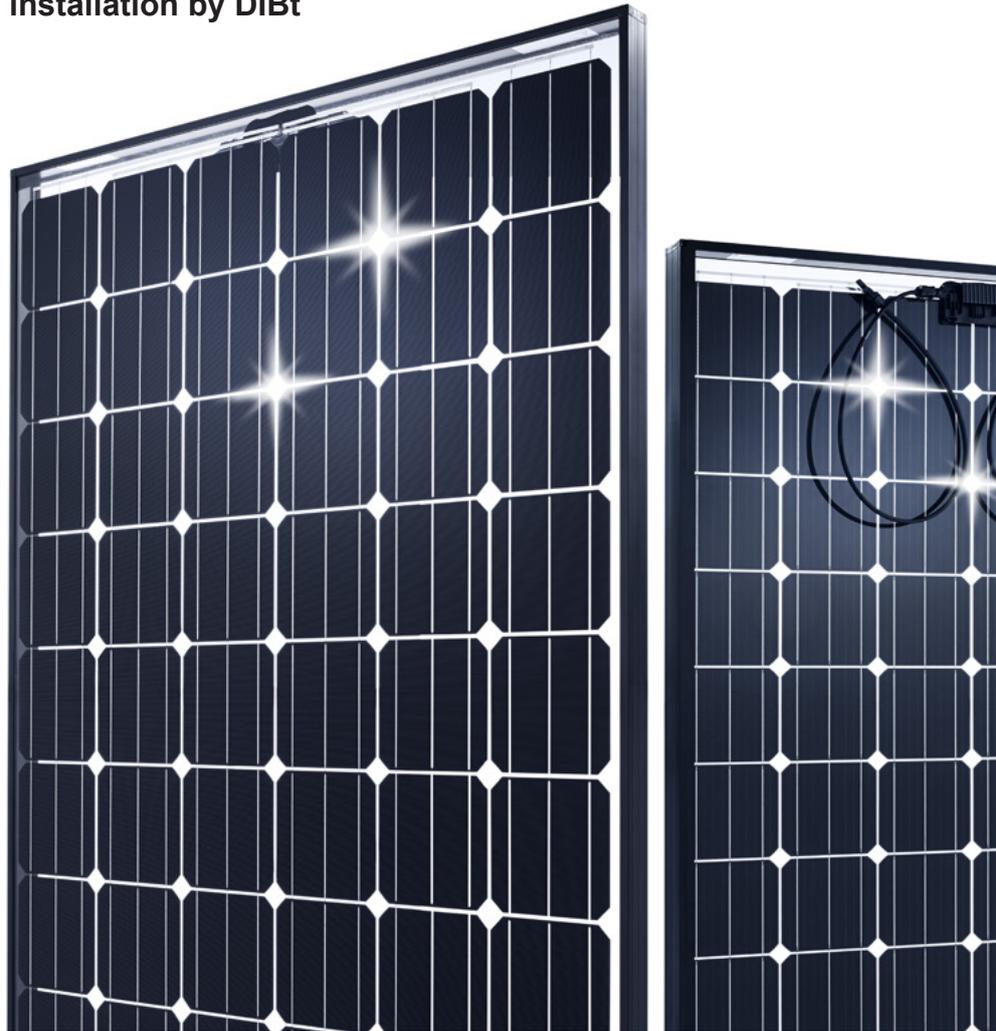
BIFACIAL SOLAR MODUL: „MOST INNOVATIVE“ AMONGST THE TRANSPARENT DOUPLE GLAZED MODULES.



Double-sided active cells also make use of light reflected from below, generating up to 30% higher yields. The module also meets optically superior design standards with a black frame and a dark rear surface.

Generally approved for building installation by DIBt

- Exclusively developed and produced in Freiburg, Germany
- Consistent quality assurance
- 100 % EL tested
- 10-year product guarantee
- 30-year performance guarantee
- According to guarantee conditions
- Ideal for carports and partly transparent roofing
- N-doped cells
- Minimal LID (light-induced degradation)
- Highly transparent glass with AR coating



SI Module Manufacturing

- Produced exclusively in Freiburg, Germany
- Consistent quality assurance
- 100 % EL tested
- Careful selection of components
- Continual process development
- Certified production facility
- Outstanding carbon footprint reductions

SI Module Technology

- 3 busbar connector
- Fully insulated cells
- Interconnection with state-of-the-art laser technology
- Anti PID technology
- Ammonia corrosion testing IEC 62716
- Salt spray test IEC 61701

Premium-Module
100%
Made in Germany

Performance data under standard test conditions (STC) (STC: 1000 W/m², module temperature 25 °C, AM 1.5 – measurement tolerance +/- 3 %)

Module values incl. rear sheet, depending on ground reflection (example values)

		Front STC		10 % e.g. ground, water		20 % e.g. light concrete, grass		30 % e.g. snow, white gravel	
Module class	SI-Enduro	B265	B270	B265	B270	B265	B270	B265	B270
Nominal capacity	P _{max} [Wp]	265	270	292	297	318	324	345	351
Short-circuit current	I _{sc} [A]	9.0	9.1	9.90	10.01	10.80	12.01	11.7	11.83
Open circuit voltage	V _{oc} [V]	38.5	38.7	38.80	38.90	38.85	38.95	38.90	39.00
Electricity	I _{mpp} [A]	8.5	8.6	9.35	9.46	10.20	11.35	11.05	11.18
Voltage	V _{mpp} [V]	31.5	31.6	31.18	31.40	31.18	28.54	31.18	31.40
Module efficiency	[%]	15.96	16.27	17.56	17.89	19.16	19.52	20.75	21.14
Fill factor	[%]	>74%							
Max. system voltage		1000 V							
Classification tolerance		-0/+4.99 Wp							
Max. reverse current		21 A							

Guidelines for optimal installation with maximum yields:

- Shade-free installation
- Minimal rear coverage through mounting system
- Maximum ground clearance
- Preferably light-coloured subsurface

Technische Details

Cell count	60
Cell types	6" bifacial n-type cells
Glass	2 x 2 mm heat-strengthened glass with anti-reflective coating
Connection box	IP65
Connector	MC4 comparable
Conductor cross-section	4 mm ²
Connecting cable length	approx. 2 x 0.8 m
Bypass diodes	Schottky SMD (x 3)
Weight	23 kg
Module dimensions	1667 x 1000 x 42 mm

Thermal Parameters

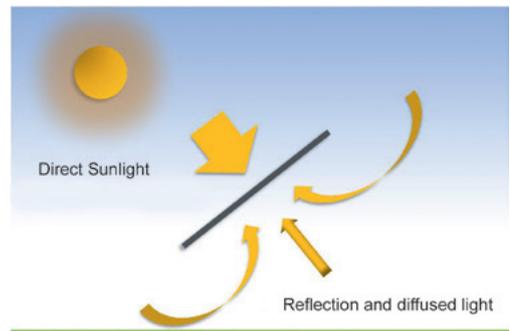
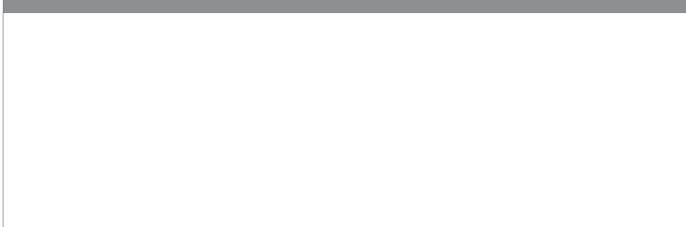
P _{max} temperature coefficients	-0.43 %/K
V _{oc} temperature coefficients	-0.33 %/K
I _{sc} temperature coefficients	+0.04 %/K

Certifications

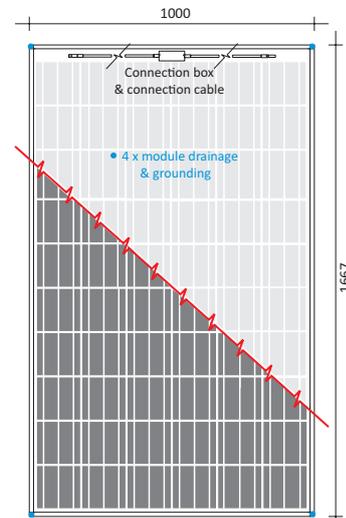
IEC 61215	Certification of design suitability and approval (in progress)
IEC 61730 I+II	Certification of safety test (in progress)
IEC 62716	Certification of ammonia corrosion testing (in progress)
Z-70.3-204	General approval for building installation (in progress)



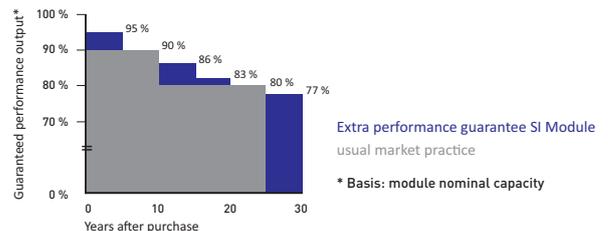
Your specialist partner:



Dimensions of SI-Enduro B265/305 – B270/310 BIFACIAL



Performance Guarantee



We will be happy to send you our guarantee terms and conditions in full. Please take note of our assembly guidelines.

