

SI-CLASSIC

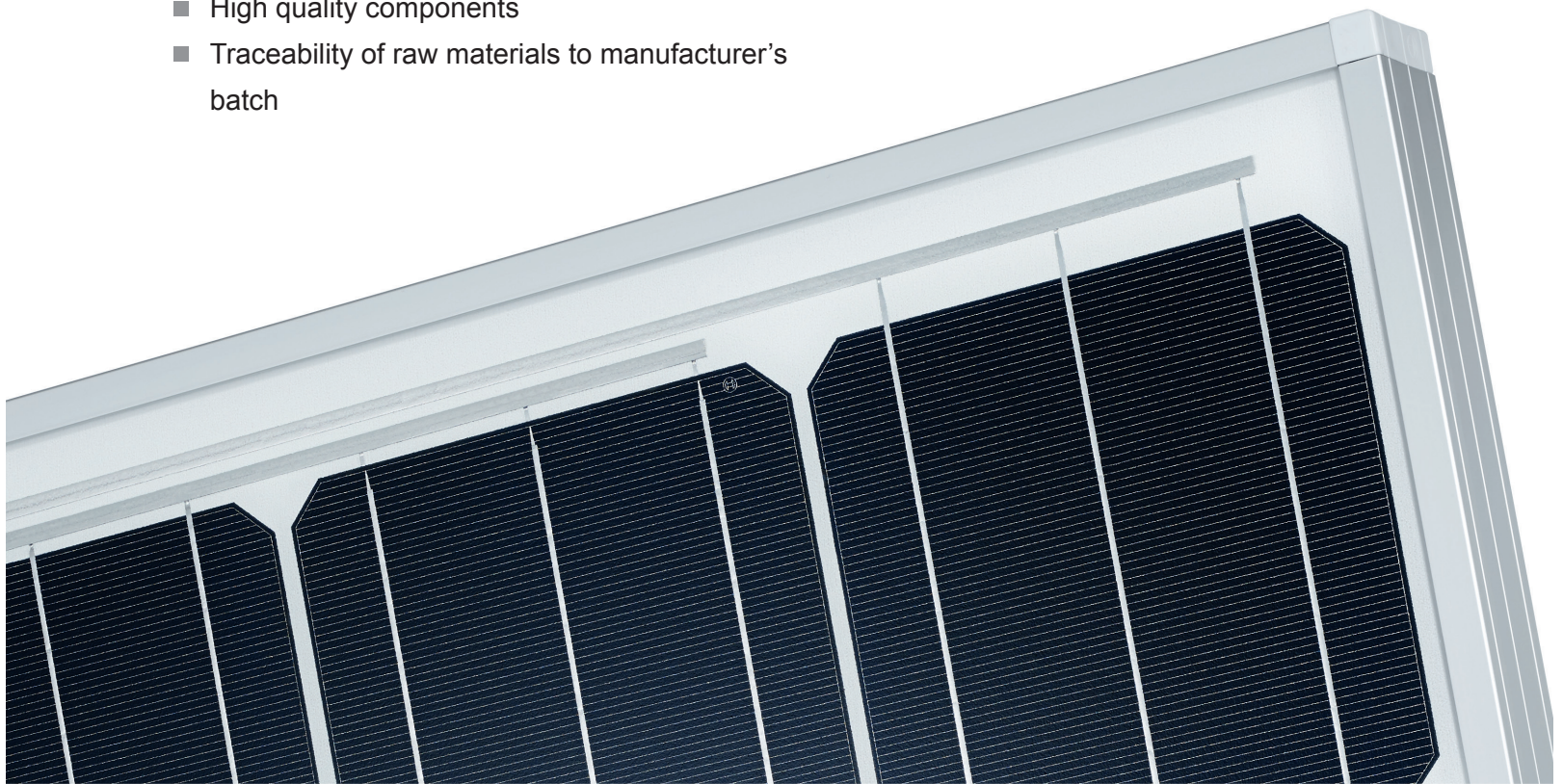
M275 - M290

MONOCRYSTALLINE SOLAR MODULE



The premium module with the best value-for-money – in a classic format with a silver frame. In our proven SI Module quality with high quality components.

- Top level yields throughout the module's entire service life
- Well-proven and excellent diffuse light performance
- 10-year product guarantee and 30-year performance guarantee
- High quality components
- Traceability of raw materials to manufacturer's batch
- Loads of up to 5400 Pa
- Optional high alpine edition with loads of up to 7200 Pa
- Extra yields through positive sorting
- 100% PID-free



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

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

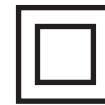
Module class		M275	M280	M285	M290
Nominal capacity	Pmax [Wp]	275	280	285	290
Short-circuit current	Isc [A]	9.4	9.5	9.6	9.7
Open circuit voltage	Voc [V]	38.6	38.7	39.0	39.5
Power	Impp [A]	8.8	8.9	9.0	9.0
Voltage	Vmpp [V]	31.3	31.4	31.7	32.2
Module efficiency	[%]	16.5	16.8	17.1	17.4
Fill factor	[%]	>74	>74	>74	>74
Max. system voltage	1000 V				
Classification tolerance	-0/+4.99 Wp				
Max. reverse current	21 A				

Nominal values for nominal operating cell temperature (NOCT) (NOCT: 800 W/m², module temperature 47 °C, AM 1.5 – measurement tolerance +/- 5%)

Module class		M275	M280	M285	M290
Nominal capacity	Pmax [Wp]	206	210	215	217
Short-circuit current	Isc [A]	7.6	7.7	7.78	7.86
Open circuit voltage	Voc [V]	35.9	36.2	36.25	36.43
Power	Impp [A]	7.1	7.1	7.29	7.30
Voltage	Vmpp [V]	29.3	29.5	29.55	30.02

Certifications (subject to re-certifications)

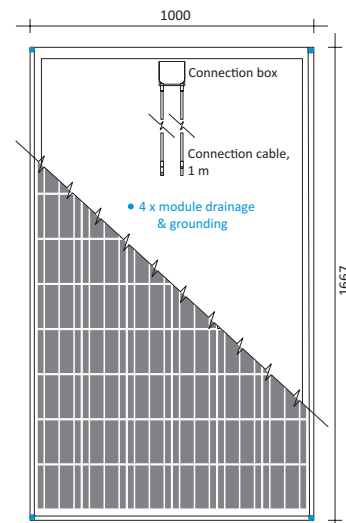
IEC 61215	Certification of design suitability and approval
IEC 61730 I+II	Certification of safety test
IEC 61701	Certification of safety test
	Certification of ammonia corrosion testing



Technical Details

Cell count	60
Cell types	6" monocrystalline
Glass	3.2 mm ESG glass with anti-reflective coating
Rear surface	Long-term UV-resistant insulating foil
Connection box	IP65
Connector	MC4 comparable
Conductor cross-section	4 mm ²
Connecting cable length	1 m
Bypass diodes	Schottky SMD (x 3)
Weight	19.8 kg
Module dimensions	1667 x 1000 x 42 mm

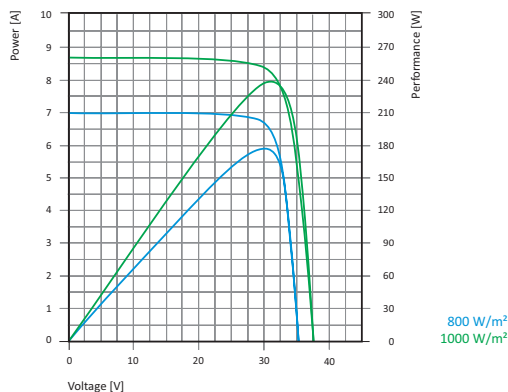
Dimensions SI-Classic M275-M290



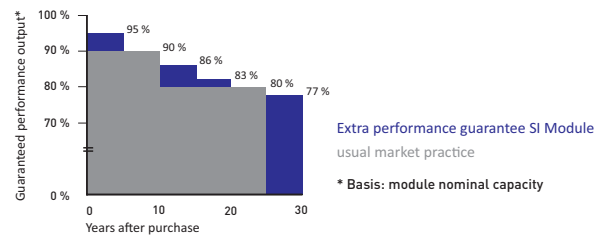
Thermal Parameters

Pmax temperature coefficients	-0.43 %/K
Voc temperature coefficients	-0.33 %/K
Isc temperature coefficients	+0.04 %/K

Characteristic Radiation Curve (exemplarisch 240 Wp Modul, Module temperature 25 °C)



Performance Guarantee



We will be happy to send you our guarantee terms and conditions in full.

