

SI-LUCID BLACK M275 F - M280 F INDACH

MONOCRYSTALLINE SOLAR MODULE
FOR ROOF INTEGRATION



The Premium Module with up to 280 Wp as a substitute for roof cladding. For those who appreciate style and value top performance. It meets optically superior design standards, with a black frame and a white back sheet. In our proven SI Module quality with European 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
- 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 F Indach	M280 F Indach
Nominal capacity	Pmax [Wp]	275	280
Short-circuit current	Isc [A]	9.4	9.5
Open circuit voltage	Voc [V]	38.6	38.7
Power	Imp [A]	8.8	8.9
Voltage	Vmpp [V]	31.3	31.4
Module efficiency	[%]	16.5	16.8
Fill factor	[%]	>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 F Indach	M280 F Indach
Nominal capacity	Pmax [Wp]	206	209
Short-circuit current	Isc [A]	7.6	7.7
Open circuit voltage	Voc [V]	35.6	35.7
Power	Imp [A]	7.05	7.1
Voltage	Vmpp [V]	29.3	29.4

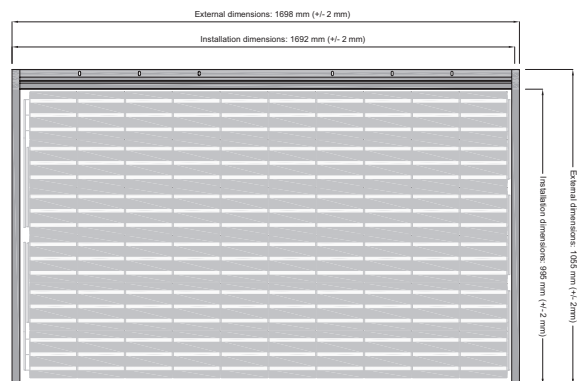
Technical Details

Cell count	60
Cell types	6" fullsquare 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	ca. 20 kg
Module dimensions	1698 x 1055 mm

Thermal Parameters

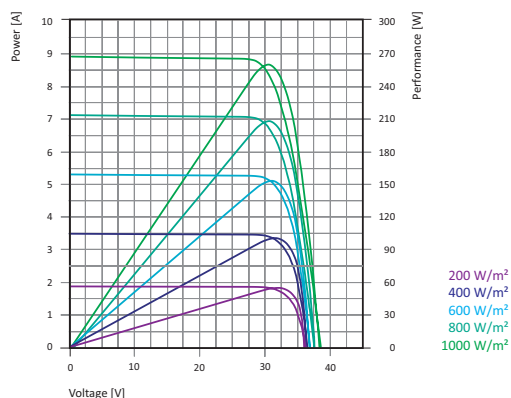
Pmax temperature coefficients	-0.44 %/K
Voc temperature coefficients	-0.31 %/K
Isc temperature coefficients	+0.05 %/K

Dimensions SI-Lucid Black M275 F - M280 F Indach

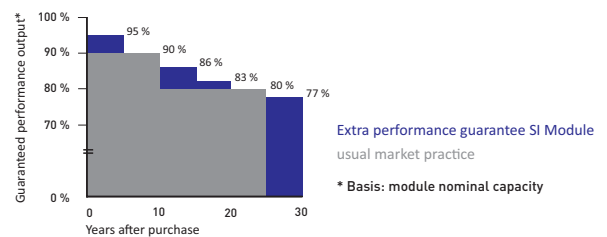


Please take note of our assembly instructions which we will gladly provide you with.

Characteristic Radiation Curve (exemplary 260 Wp module, module temperature 25 °C)



Performance Guarantee



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

