

# SI-ENDURO

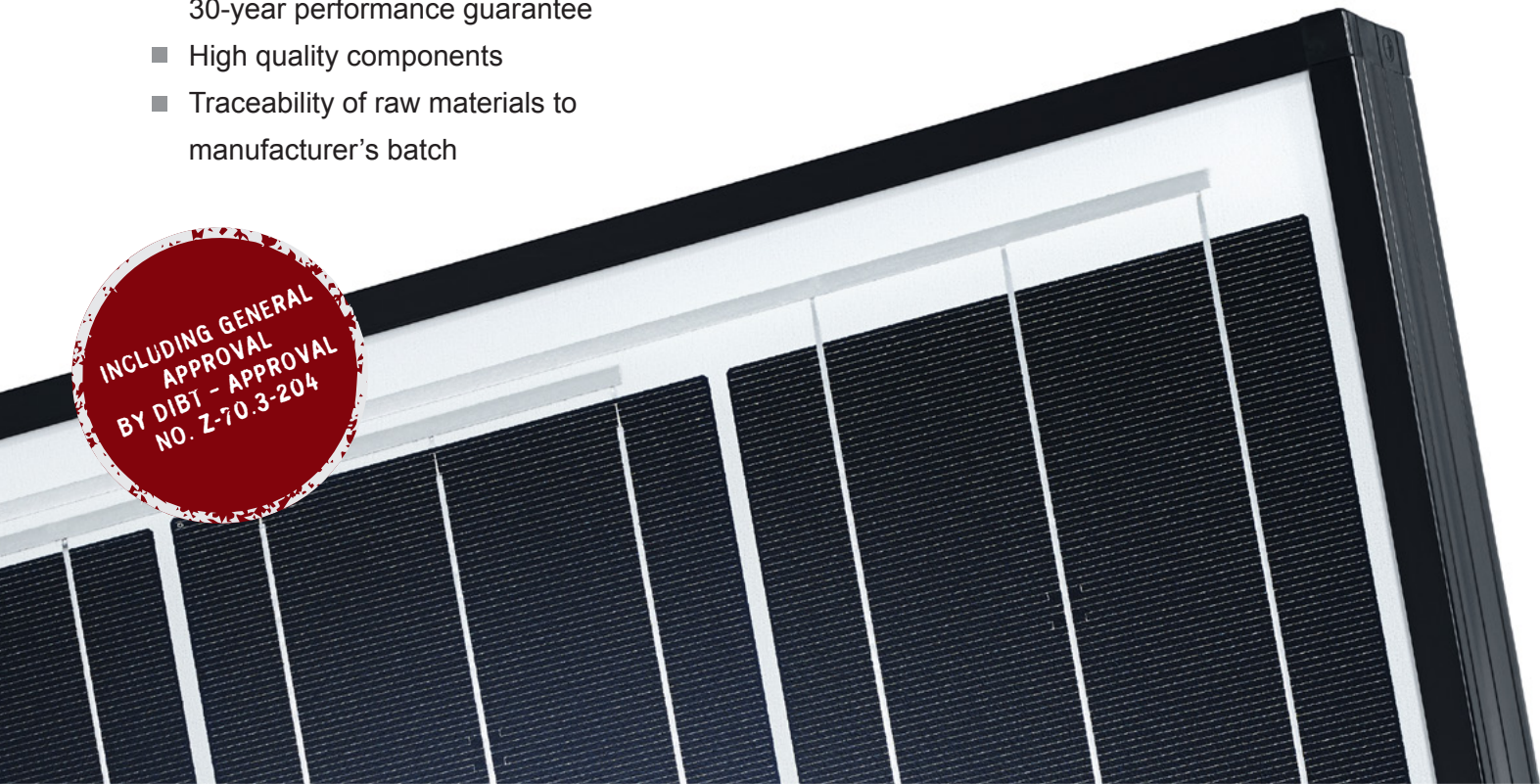
## M265 F - M275 F EDELWEISS

### MONOCRYSTALLINE DOUBLE GLAZED SOLAR MODULE



The “robust” edition amongst the premium modules, in a standard format with a double glazed structure. Due to its white embedding it achieves top level yields with module capacities of up to 275 Wp. In our proven SI Module quality with European components.

- Lightest double glazed module in a standard format (23.5 kg)
- Laminated safety glass for new areas of application
- Particularly good diffuse light output
- 10-year product guarantee and 30-year performance guarantee
- High quality components
- Traceability of raw materials to manufacturer’s batch
- High snow and wind loads (7200 Pa)
- Top level durability and yields throughout the module’s entire service life
- 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/m<sup>2</sup>, module temperature 25 °C, AM 1.5 – measurement tolerance +/- 3%)

Module class	SI-Enduro	M265 F	M270 F	M275 F
Nominal capacity	Pmax [Wp]	265	270	275
Short-circuit current	Isc [A]	9.2	9.3	9.4
Open circuit voltage	Voc [V]	38.2	38.4	38.6
Power	Impp [A]	8.6	8.7	8.8
Voltage	Vmpp [V]	31.0	31.1	31.3
Module efficiency	[%]	15.9	16.2	16.5
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/m<sup>2</sup>, module temperature 47 °C, AM 1.5 – measurement tolerance +/- 5%)

Module class	SI-Enduro	M265 F	M270 F	M275 F
Nominal capacity	Pmax [Wp]	199	202	206
Short-circuit current	Isc [A]	7.5	7.5	7.6
Open circuit voltage	Voc [V]	35.2	35.4	35.6
Power	Impp [A]	6.9	7.0	7.1
Voltage	Vmpp [V]	29	29.1	29.3

**Certifications**

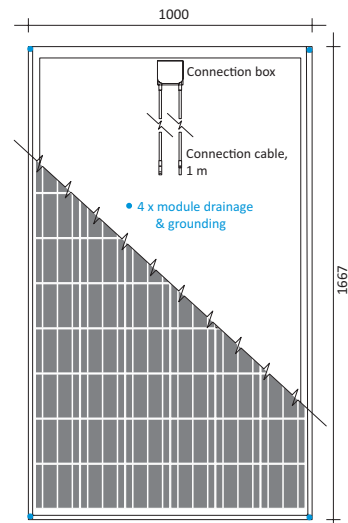
IEC 61215	Certification of design suitability and approval
IEC 61730 I+II	Certification of safety test
IEC 62716	Ammoniak-Korrosionsprüfung in Zertifizierung
Z-70.3-204	Allgemeine bauaufsichtliche Zulassung



**Technical Details**

Cell count	60
Cell types	6" monocrystalline
Glass	2 x 2 mm TVG-Glas mit Antireflexionsbeschichtung
Connection box	IP65
Connector	MC4 comparable
Conductor cross-section	4 mm <sup>2</sup>
Connecting cable length	ca. 2 x 1 m
Bypass diodes	Schottky SMD (x 3)
Weight	23.5 kg
Module dimensions	1667 x 1000 x 42 mm

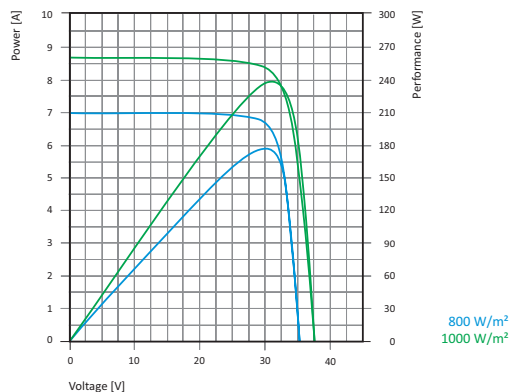
**Dimensions SI-Enduro M250-M265**



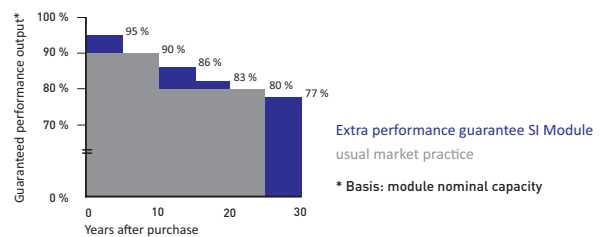
**Thermal Parameters**

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

**Characteristic Radiation Curve** (exemplary 240 Wp module, module temperature 25 °C)



**Performance Guarantee**



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

