High-performance solar modules
100 % Made in Europe
Monocrystalline Series

SC 270-60M EU black | SC 275-60M EU black | SC 280-60M EU black

Product features

- Use of high quality cells from established manufacturers as well as 3 busbar technology for optimized power take-up and higher power yields
- 3,2 mm thick special solar-glass ensures maximum transmission values
- High level of stability of the anodized aluminium frame through own-developed aluminium frame with integrated drain channels and venting holes
- Black Edition with black aluminium frame and black backsheet film
- Quality assurance through individual examination including electroluminescent inspection
- RWTÜV-certified according to IEC 61215 Ed.2 and IEC 61730
- Positive tolerance (0/+5 %)
- 25 years performance guarantee, 12 years product guarantee

BLACK EDITION









SunClass® high-performance solar modules made in Europe

The selection of high-quality components, the use of most modern production technologies according to German quality standards and extensive production controls make SunClass® solar modules of the Premium Edition the right choice for every project size.

SunClass®-dealer

www.sunclass-solar.com

Electrical Data

Rated output (0/+5 %) (P_{max})	270 Wp	275 Wp	280 Wp
Nominal Voltage (U_{mpp})	32,40 V	32,80 V	32,92 V
Nominal Current (I_{mpp})	8,45 A	8,50 A	8,56 A
Open circuit Voltage (U_{oc})	38,47 V	38,56 V	38,61 V
Short circuit Current (I_{sc})	9,25 A	9,28 A	9,31 A
Maximum system voltage	1000 V	1000 V	1000 V
Module effciency (η_m)	16,3 %	16,6 %	16,9 %
STC - Standard Test Conditions	Irradiation: 1000 W/m² AM: 1,5 Temperature: 25 °C		

Mechanical data

Length	1650 mm
Width	1000 mm
Height	42 mm
Weight	19 kg
Connection cables	2 x 1000 mm, Ø 4 mm² MC4 connectors or compatible
Glass	3,2 mm (toughened glass)
Encapsulation	EVA
Backsheet	PET (Poly. fleece multi-layer)
Frame	Aluminum anodized
Solar cell	156 x 156 mm (6˝), 60 monokrystalline cells
Junction	IP 67, 3 bypass diodes
Module construction	Glass-film-laminat

Temperature coefficients

αPm	- 0,43 % / K
αIsc	+ 0,05 % / K
βVoc	- 0,35 % / K

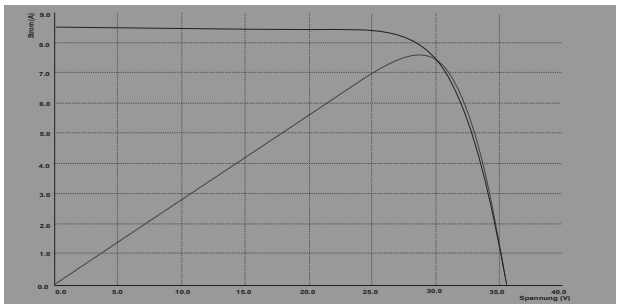
Application areas

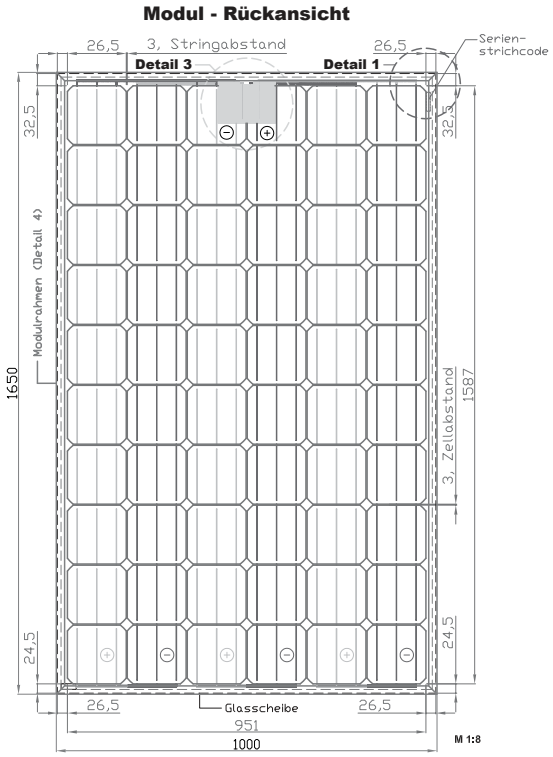
Operating temperat.	- 45 °C to + 80 °C
Hail	up to 25 mm hailstone size at 80 km/h
Surface max. stress	540 kg/m²

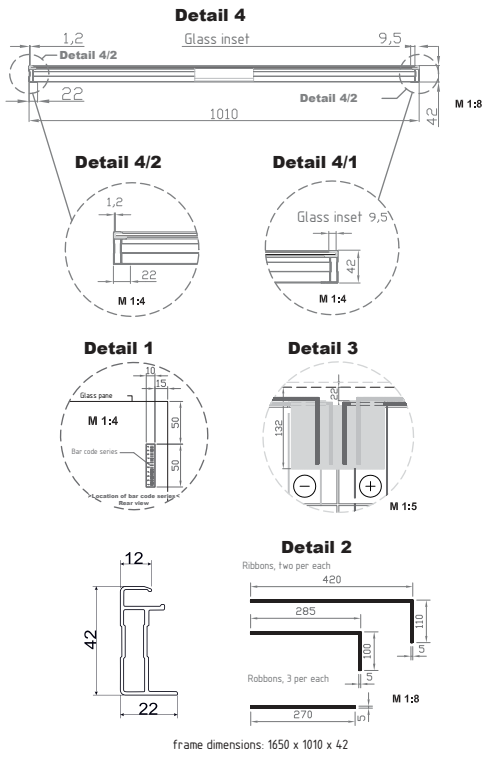
Guarantee

Product guarantee	12 Jahre
Performance guarantee	12,5 years for a power output of 90 % * 25 years for a power output of 80 % * *pursuant to a valid warranty deed

Voltage/current characteristic







Module data as at December 10th 2014, Indemnification: Errors and omissions excepted.