SunClass® Eine Klasse für sich!

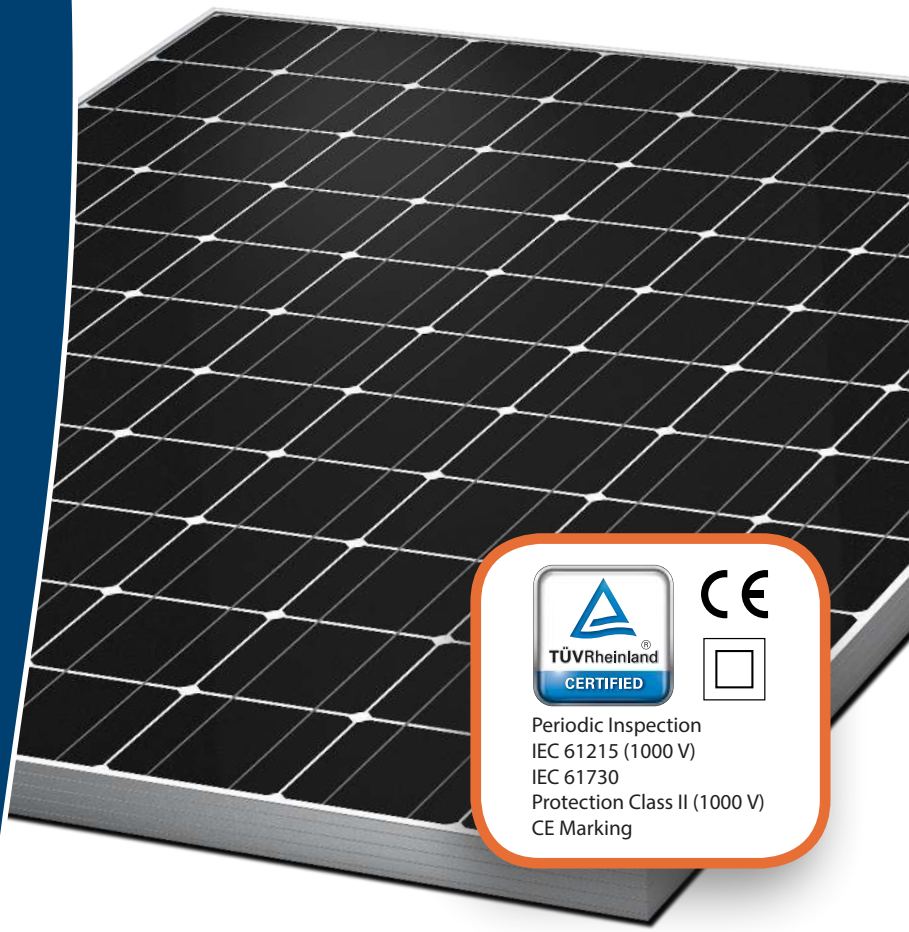
High-performance photovoltaic modules

SC 230-88M
SC 235-88M
SC 240-88M

Product features

- High-performance photovoltaic modules made of monocrystalline silicon solar cells with module efficiencies of up to 15,4 %
- Bypass diodes which minimise the loss in output when shading occurs
- Use of safety glass for long-term weather protection, EVA plastic, weather protection film, as well as anodised aluminium frame
- TÜV-Certified, Protection Class II, CE Marking
- Plus tolerance (0/+3 %)
- 25 years performance guarantee
- 12 years product guarantee

EDITION 2015
MORE POWER









SunClass® high-performance PV modules

Whether for your house, your company or your major project: perfected production technologies, using premium materials and employing efficient cells make SunClass solar modules the right choice for every project size.

SunClass®-Dealer

www.sunclass-solar.com

Electrical data

Maximum Power (0/+3 %) (P_{max})	230 Wp	235 Wp	240 Wp
Voltage at point of max. power (V_{mpp})	44,7 V	45,2 V	45,7 V
Current at point of max. power (I_{mpp})	5,15 A	5,2 A	5,26 A
Open-circuit voltage (V_{oc})	55,1 V	55,3 V	55,5 V
Short-circuit current (I_{sc})	5,49 A	5,53 A	5,57 A
Maximum system voltage	1000 V	1000 V	1000 V
Module effciency (η_m)	14,8 %	15,1 %	15,4 %
STC standard test conditions	Irradiance: 1000 W/m² AM: 1,5 Temperature: 25°C		

Temperature coefficients

αPm	– 0,5 % / °C
αIsc	+ 0,043 % / °C
βVoc	– 0,34 % / °C

Application areas

Operating temperature	– 40 °C to + 85 °C
Hail	up to 25 mm hailstone size at 80 km/h
Surface max. stress	540 kg/m²

Mechanical data

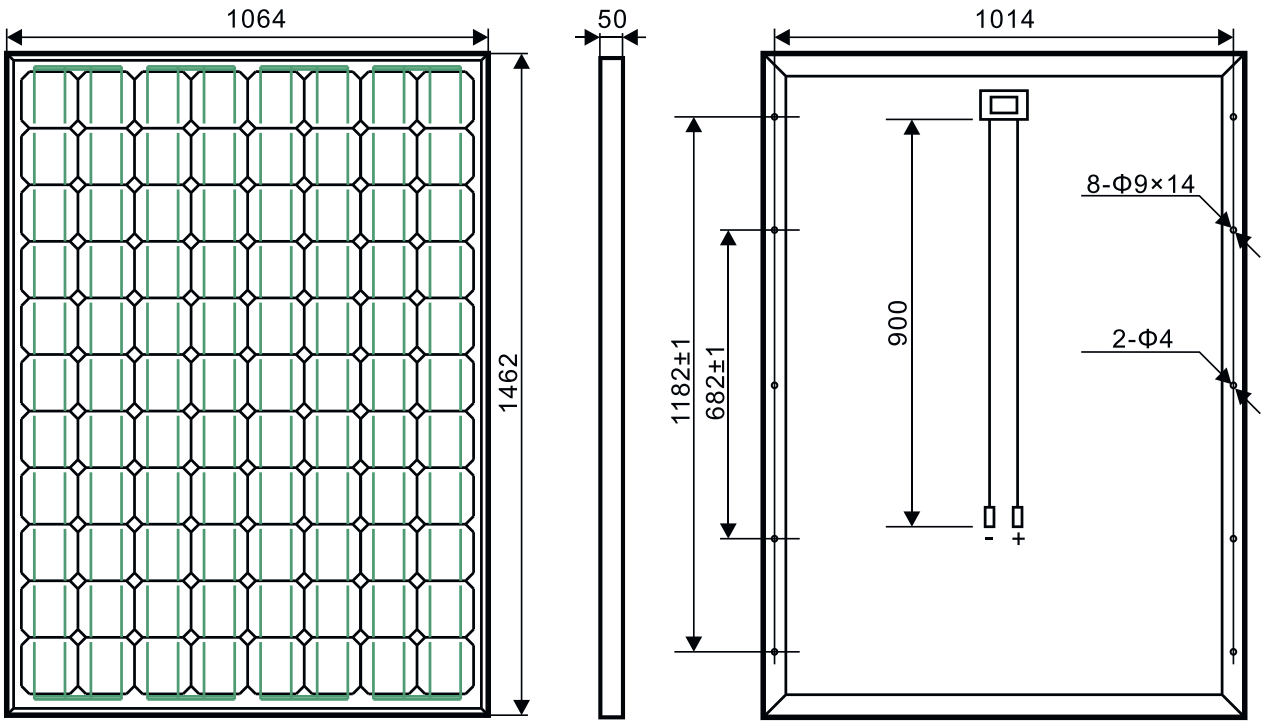
Length	1462 mm
Width	1064 mm
Height	50 mm
Weight	19 kg
Cable	900 mm / 900 mm (Ø 4mm²)
Glass	Tempered-glass (3,2 mm)
Foil	EVA
Backsheet	TPT
Frame	Aluminium eloxiert
Cell	88 pcs., size: 125 x 125 mm (5˝)
Junction	IP65 junction box with bypass diodes
Connector	MC-4 compatible

Guarantee

Product guarantee	12 years
Perfomance guarantee	10 years for a power output of 90 %, 20 years for a power output of 83 %, 25 years for a power output of 80 %

Certifications / Qualifications

Periodic Inspection
IEC 61215 (1000 V)
IEC 61730
Protection Class II (1000 V)
CE Marking



Technical specifications as at December 10th 2014, Indemnification: Errors and omissions excepted.