



SOLAR MODULE REC SOLAR SCM 210

DATASHEET

Product-Types:

SCM 210 (210 Wp)
SCM 210 (215 Wp)
SCM 210 (220 Wp)
SCM 210 (225 Wp)
SCM 210 (230 Wp)

UNCOMPROMISING QUALITY

The SCM 210 is a high quality series of solar modules designed to meet system demand for exceptional performance. Rigorous quality control is applied throughout the production process, from cells to modules. The multicrystalline solar cells within each module are optimized for low light conditions and increased light absorption. The modules have an innovative design that eliminates shading effects in order to achieve maximum performance. A power output tolerance of $\pm 5\%$ guarantees minimum mismatch losses.

QUICK INSTALLATION

The comparatively low weight (22 kg) of the SCM 210 allows for quick and easy installation. The modules are equipped with MC FlexSol solar cables, with MC III connectors for problem-free inter-module connection.

ENVIRONMENTALLY SOUND PRODUCTS & PROCESSES

The SCM 210 series generate environmentally sound electricity. Our cell and module production processes are designed to maximize recycling and reduce environmental impact. REC's wafers, cells and modules are produced within Scandinavia and our activities are therefore subject to very high standards of regulation regarding environmental issues.

CUSTOMER SATISFACTION GUARANTEE

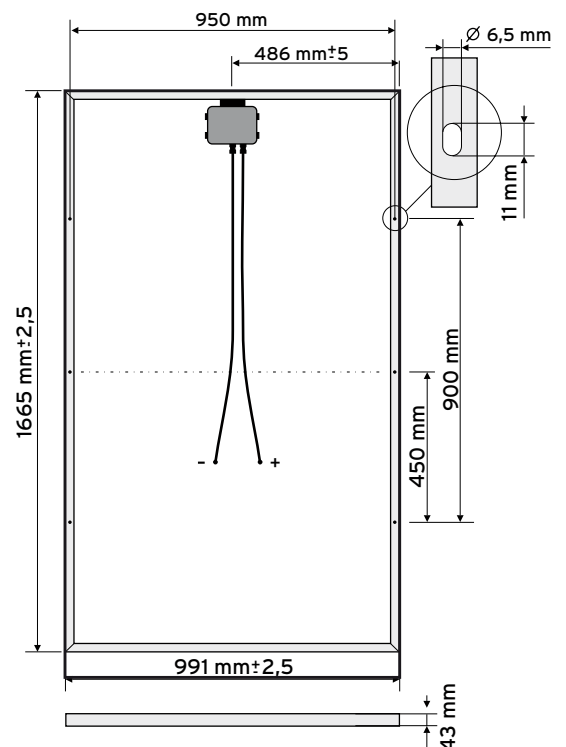
The SCM 210 comes with a guarantee of 90% of rated power output for 10 years, and 80% of rated power output for 25 years.

Further warranty information is available upon request.

5400 Pa*

Tested (according to extended IEC 61215)

*equals 551 kg/m² mechanical load



MODULE TYPE	REC SOLAR SCM 210				
CELL TYPE	210 Wp Multicrystalline	215 Wp Multicrystalline	220 Wp Multicrystalline	225 Wp Multicrystalline	230 Wp Multicrystalline
ELECTRICAL DATA					
Nominal Power P _{mpp} (Wp)	210	215	220	225	230
Power Output Tolerance P _{mpp} (%)	± 5	± 5	± 5	± 5	± 5
Maximum Power Voltage V _{mpp} (V)	28.2	28.3	28.3	28.4	28.5
Maximum Power Current I _{mpp} (A)	7.5	7.6	7.7	7.9	8.0
Open Circuit Voltage Voc (V)	36.3	36.4	36.5	36.7	36.7
Short Circuit Current Isc (A)	8.1	8.2	8.3	8.5	8.6
Temperature Coefficient of P _{mpp} (% / °C)	- 0.4	- 0.4	- 0.4	- 0.4	- 0.4
Temperature Coefficient of Voc (mV / °C)	- 104	- 104	- 104	- 104	- 104
Temperature Coefficient of Isc (mA / °C)	4	4	4	4	4
Cell Efficiency (%)	14.4	14.7	15.1	15.4	15.8
Module Efficiency (%)	12.7	13.0	13.3	13.6	13.9
Diodes	3 x 10 A	3 x 10 A	3 x 10 A	3 x 10 A	3 x 10 A
Fill Factor FF (%)	0.7	0.72	0.72	0.72	0.72
Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000 W / m ² , Cell temperature 25 °C)					
NOCT = 43°C ± 2 The NOCT (nominal operating cell temperature) is the cell temperature reached at an irradiance of 800 W / m ² , at an environment temperature of 20 °C and a wind speed of 1 m / s.					

SIZE AND WEIGHT	SCM 210
Area (m ²)	1.65
Length (mm)	1665
Width (mm)	991
Thickness with frame (mm)	43
Weight (kg)	22 (approx.)

OPERATION LIMITS

Max. System Voltage: 1000 V
 Module temperature range: - 40... + 80 °C
 Maximum load: 551 kg/m² (according to IEC 61215)
 Stormproof: wind speed of up to 130 km / h (equals 800 Pa) and security factor 3
 Mounting: instructions of user manual and mounting system supplier to be followed

SPECIFIC DATA

Cells

Multicrystalline cells produced by REC ScanCell, 156mm x 156mm, full square, 60 per module, optimized for low-light conditions

Module

Front: high-transparency solar glass, with antireflection surface treatment.
 Encapsulation: EVA
 Back: Tedlar
 Junction box: easy access, 3 bypass diodes
 Light anodized aluminum frame

Connection

2 x 0.94 m solar cables with MC-Connectors



CERTIFICATION / STANDARDS

REC Solar Modules are TÜV tested, on IEC 61215 accredited and Safety Class II (TÜV-Spec 931/2.572.9) accredited.



For further information, contact your local distributor or visit our web site:

www.recgroup.com