

HIGH PERFORMANCE SOLAR MODULES

REC AE-SERIES

REC AE-Series modules are the perfect choice for building solar systems that combine long lasting product quality with reliable power output. REC combines high quality design and manufacturing standards to produce high-performance solar modules with uncompromising quality.



**EASY
TO INSTALL**



**ROBUST AND
DURABLE DESIGN**



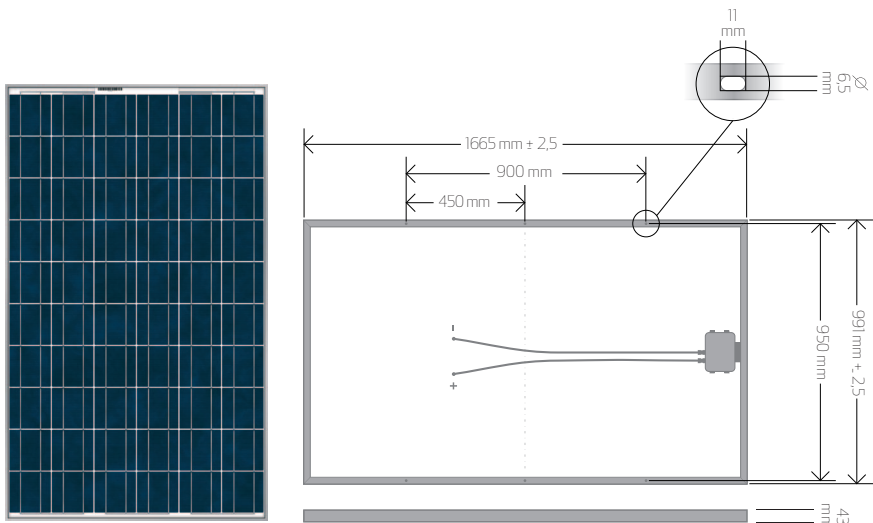
**ENERGY PAYBACK
TIME OF ONE YEAR**



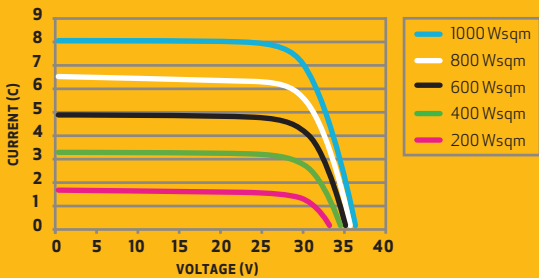
**OPTIMIZED ALSO FOR
CLOUDY WEATHER**



REC AE-SERIES



IV CHARACTERISTICS 215W MODULE



13.9 EFFICIENCY
63 MONTHS WORKMANSHIP
25 YEAR POWER OUTPUT WARRANTY

ELECTRICAL DATA @ STC

	REC205AE	REC210AE	REC215AE	REC220AE	REC225AE	REC230AE
Peak Power Watts - P_{MAX} (Wp)	205	210	215	220	225	230
Power Output Tolerance - P_{MAX} (%)	±5	±5	±5	±5	±5	±5
Maximum Power Voltage - V_{MPP} (V)	27.2	27.6	28.0	28.4	28.8	29.1
Maximum Power Current - I_{MPP} (A)	7.6	7.6	7.7	7.8	7.8	7.9
Open Circuit Voltage - V_{OC} (V)	36.0	36.1	36.3	36.4	36.6	36.8
Short Circuit Current - I_{SC} (A)	8.3	8.3	8.3	8.4	8.4	8.4
Module Efficiency (%)	12.4	12.7	13.0	13.3	13.6	13.9

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000 W/m², Cell temperature 25 °C)

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	49.5°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.45%/°C
Temperature Coefficient of V_{OC}	-0.34%/°C
Temperature Coefficient of I_{SC}	0.074%/°C

CERTIFICATION



IEC 61215
TÜV Safety Class II

MECHANICAL DATA

Dimensions	1665 x 991 x 43 mm
Area	1.65 m ²
Weight	22 kg

GENERAL DATA

Cell Type	156 x 156 mm multi-crystalline cells 60 in series
Glass	High-transparency solar glass with antireflection surface treatment by Sunarc Technology
Back sheet	PTE foil
Frame	Anodized aluminium
Connectors	2 x 0.94m solar cables with MCIII connectors

WARRANTY

10 years limited warranty of 90% power output
25 years limited warranty of 80% power output
63 months limited product warranty

MAXIMUM RATINGS

Operational Temperature	-40 ... +80°C
Maximum System Voltage	1000V
Maximum Load	551 kg/m ² (5400 Pa)
Wind Speed	197 km/h (safety factor 3)
Max Series Fuse Rating	15A
Max Reverse Current	15A

Note! Specifications subject to change without notice.

REC is the leading vertically integrated player in the solar energy industry. REC Silicon and REC Wafer are among the world's largest producers of polysilicon and wafers for solar applications. REC Solar is a rapidly growing manufacturer of solar cells and modules. In 2008, REC Group had revenues of NOK 8 191 million and an operating profit of NOK 2 529 million. About 2 400 employees work in REC's worldwide organization.

For further information, contact your local distributor or visit our web site: www.recgroup.com



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