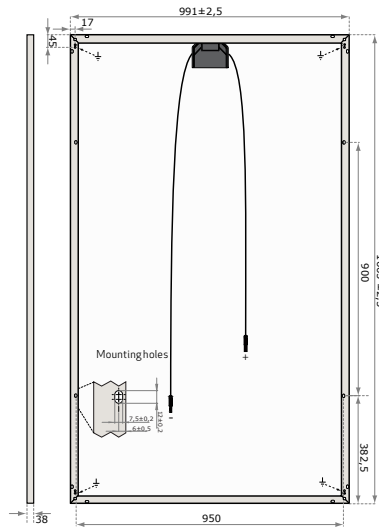
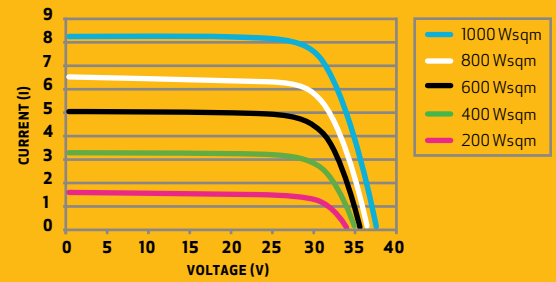




# REC PEAK ENERGY SERIES



## IV CHARACTERISTICS 235W MODULE



14.2 EFFICIENCY

63 MONTHS WORKMANSHIP WARRANTY

25 YEAR POWER OUTPUT WARRANTY

### ELECTRICAL DATA @ STC

	REC215PE	REC220PE	REC225PE	REC230PE	REC235PE
Peak Power Watts - $P_{MAX}$ (Wp)	215	220	225	230	235
Watt Class Tolerance - $P_{TOL}$ (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Watt Class Tolerance - $P_{TOL}$ (%)	0/+2	0/+2	0/+2	0/+2	0/+2
Maximum Power Voltage - $V_{MPP}$ (V)	28.3	28.7	29.1	29.4	29.8
Maximum Power Current - $I_{MPP}$ (A)	7.6	7.7	7.7	7.8	7.9
Open Circuit Voltage - $V_{OC}$ (V)	36.3	36.6	36.8	37.1	37.4
Short Circuit Current - $I_{SC}$ (A)	8.1	8.2	8.2	8.3	8.3
Module Efficiency (%)	13.0	13.3	13.6	13.9	14.2

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000 W/m<sup>2</sup>, Cell temperature 25 °C)

### TEMPERATURE RATINGS (235 W RATED MODULE)

Nominal Operating Cell Temperature (NOCT)	47.9 °C (±2 °C)
Temperature Coefficient of $P_{MPP}$	-0.46 %/°C
Temperature Coefficient of $V_{OC}$	-0.32 %/°C
Temperature Coefficient of $I_{SC}$	0.011 %/°C

### CERTIFICATION



Certified according to UL1703, IEC 61215 and IEC 61730

### MECHANICAL DATA

Dimensions	1665 x 991 x 38 mm
Area	1.65 m <sup>2</sup>
Weight	18 kg

### GENERAL DATA

Cell Type	60 REC PE multi-crystalline cells 3 strings of 20 cells - 3 by-pass diodes
Glass	High-transparency solar glass with antireflection surface treatment by Sunarc Technology
Back sheet	Double layer high performance polyester
Frame	Anodized aluminium
Cable	Radox 4mm <sup>2</sup> solar cables, 0.90m +1.20m
Connectors	Radox 4mm <sup>2</sup> twist locking connector

### WARRANTY

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

### MAXIMUM RATINGS

Operational Temperature	-40 ... +80 °C
Maximum System Voltage	1000V
Maximum Load	551 kg/m <sup>2</sup> (5400 Pa)
Maximum 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 a leading vertically integrated player in the solar energy industry. REC is among the world's largest producers of polysilicon and wafers for solar applications, and a rapidly growing manufacturer of solar cells and modules. REC is also engaged in project development activities in selected PV segments. Founded in Norway, REC is an international solar company, employing more than 3,000 people worldwide. REC had revenues in excess of NOK 9 billion in 2009.

Please visit [www.recgroup.com](http://www.recgroup.com)



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