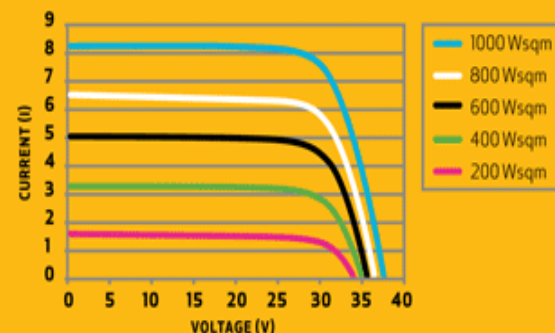


## IV CHARACTERISTICS 235W MODULE



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	18kg

### 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.