ENERGIZING LIFE TOGETHER

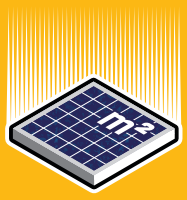
REC

HIGH PERFORMANCE SOLAR MODULES

REC PEAK ENERGY ECO SERIES

REC Peak Energy Eco modules use lead-free soldering to meet the needs of eco-conscious consumers while offering the same high performance, reliability and quality of other REC products. Safe and sustainable throughout the lifecycle, REC modules also have the lightest carbon footprint for multicrystaline.

ENVIRONMENTALLY FRIENDLY THROUGHOUT THE LIFECYCLE

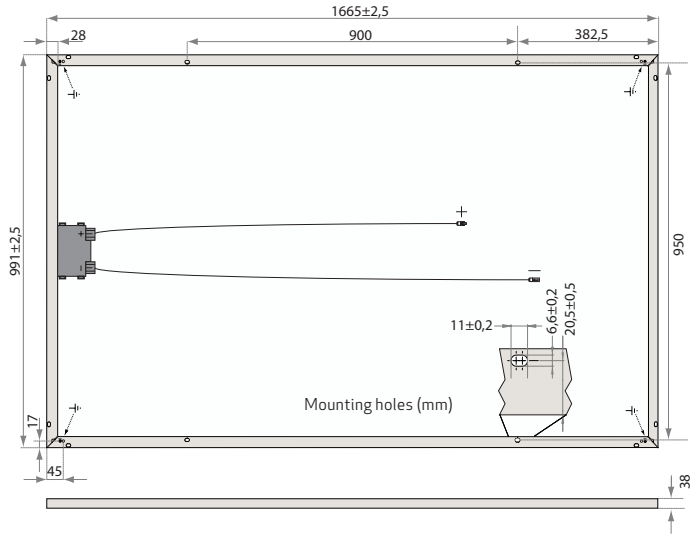


MORE POWER PER M²

ENERGY PAYBACK TIME OF ONE YEAR

OPTIMIZED FOR ALL SUNLIGHT CONDITIONS

REC PEAK ENERGY ECO SERIES



16.1% EFFICIENCY

25 YEAR LINEAR POWER OUTPUT WARRANTY

21 GRAM CO_2-EQ/KWH CARBON FOOTPRINT

TEMPERATURE RATINGS*

Nominal Operating Cell Temperature (NOCT)	45.7°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.46 %/°C
Temperature Coefficient of V_{OC}	-0.35 %/°C
Temperature Coefficient of I_{SC}	0.048 %/°C

ELECTRICAL DATA @ STC	REC240PE ECO	REC245PE ECO	REC250PE ECO	REC255PE ECO	REC260PE ECO	REC265PE ECO
Nominal Power - P_{MPP} (Wp)	240	245	250	255	260	265
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V_{MPP} (V)	29.7	30.1	30.2	30.5	30.7	30.9
Nominal Power Current - I_{MPP} (A)	8.17	8.23	8.30	8.42	8.50	8.58
Open Circuit Voltage - V_{OC} (V)	36.8	37.1	37.4	37.6	37.8	38.1
Short Circuit Current - I_{SC} (A)	8.75	8.80	8.86	8.95	9.01	9.08
Module Efficiency (%)	14.5	14.8	15.1	15.5	15.8	16.1

Analysed data demonstrates that 99.7% of modules produced have current and voltage tolerance of ±3% from nominal values.
Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², cell temperature 25°C).
At low irradiance of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 97% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC240PE ECO	REC245PE ECO	REC250PE ECO	REC255PE ECO	REC260PE ECO	REC265PE ECO
Nominal Power - P_{MPP} (Wp)	183	187	189	193	197	202
Nominal Power Voltage - V_{MPP} (V)	27.7	28.1	28.3	28.5	29.0	29.4
Nominal Power Current - I_{MPP} (A)	6.58	6.64	6.68	6.77	6.81	6.90
Open Circuit Voltage - V_{OC} (V)	34.4	34.7	35.0	35.3	35.7	36.0
Short Circuit Current - I_{SC} (A)	7.03	7.08	7.12	7.21	7.24	7.30

Nominal operating cell temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C).

GENERAL DATA

Cell Type	60 REC PE multi-crystalline cells 3 strings of 20 cells
Glass	3.2 mm solar glass with anti-reflection surface treatment
Back Sheet	Double layer highly resistant polyester
Frame	Anodized aluminum (silver)
Solder	Lead free ribbon, cross connector and solder
Junction box:	IP67 rated 4 mm² solar cable, 0.9 m + 1.2 m
Connectors:	Multi-Contact MC4 (4 mm²)
Origin	Made in Singapore

MAXIMUM RATINGS

Operational Temperature	-40 ... +85°C
Maximum System Voltage	1000 V
Maximum Snow Load	550 kg/m² (5400 Pa)
Maximum Wind Load	244 kg/m² (2400 Pa)
Max Series Fuse Rating	25A
Max Reverse Current	25A

CERTIFICATION

IEC 61215 & IEC 61730, IEC 62716 (ammonia resistance) & IEC 61701 (salt mist - severity level 6).

Member of PV Cycle

WARRANTY

10 year product warranty.
25 year linear power output warranty
(max. degression in performance of 0.7% p.a.).

MECHANICAL DATA

Dimensions	1665 x 991 x 38 mm
Area	1.65 m²
Weight	18 kg

Note! Specifications subject to change without notice.

For more information on sustainability at REC see:
www.recgroup.com/sustainability

Ref: NE-05-05-07-E. 12.13

REC is a leading global provider of solar energy solutions. With more than 15 years of experience, we offer sustainable, high performing products, services and investments for the solar industry. Together with our partners, we create value by providing solutions that better meet the world's growing energy needs. Founded in Norway, REC is listed on the Oslo Stock Exchange (ticker: RECSOL) and headquartered in Singapore. Our 1,500 employees worldwide generated revenues of NOK 4.1 billion in 2012.

REC

www.recgroup.com