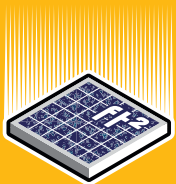


## HIGH PERFORMANCE SOLAR PANELS

# REC PEAK ENERGY 72 SERIES

REC Peak Energy 72 Series panels are ideal for building large-scale commercial and utility projects while reducing balance of system costs.

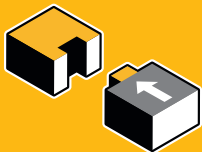
REC combines leading standards of design and manufacturing to produce long lasting and high performance solar panels with reliable power output.



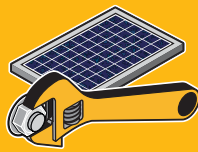
**MORE POWER  
PER FT<sup>2</sup>**



**US IMPORT DUTY  
FREE**

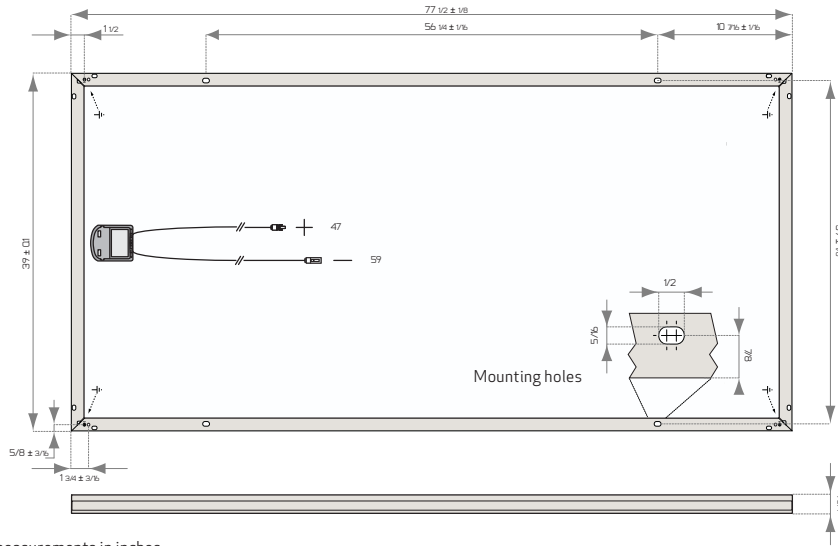


**EASY TO  
INSTALL**



**REDUCED BALANCE OF  
SYSTEM COSTS**

# REC PEAK ENERGY 72 SERIES



All measurements in inches

ELECTRICAL DATA @ STC	REC295PE72	REC300PE72	REC305PE72	REC310PE72	REC315PE72
Nominal Power - $P_{MPP}$ (Wp)	295	300	305	310	315
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	36.1	36.4	36.6	36.7	36.8
Nominal Power Current - $I_{MPP}$ (A)	8.23	8.33	8.42	8.53	8.62
Open Circuit Voltage - $V_{OC}$ (V)	44.5	44.9	45.1	45.3	45.5
Short Circuit Current - $I_{SC}$ (A)	8.80	8.86	8.95	9.02	9.09
Panel Efficiency (%)	15.1	15.4	15.6	15.9	16.1

Analysed data demonstrates that 99.7% of modules produced have current and voltage tolerance of  $\pm 3\%$  from nominal values. Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C). At low irradiance of 200 W/m<sup>2</sup> (AM 1.5 and cell temperature 25°C) at least 97% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC295PE72	REC300PE72	REC305PE72	REC310PE72	REC315PE72
Nominal Power - $P_{MPP}$ (Wp)	225	229	232	235	238
Nominal Power Voltage - $V_{MPP}$ (V)	33.9	34.2	34.4	34.6	34.7
Nominal Power Current - $I_{MPP}$ (A)	6.63	6.68	6.75	6.80	6.86
Open Circuit Voltage - $V_{OC}$ (V)	41.9	42.3	42.5	42.7	42.9
Short Circuit Current - $I_{SC}$ (A)	7.08	7.12	7.20	7.25	7.31

Nominal cell operating temperature NOCT (800 W/m<sup>2</sup>, AM 1.5, windspeed 1 m/s, ambient temperature 20°C).

## CERTIFICATION



Certified according to UL 1703  
CEC listed

## WARRANTY

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

16.1% EFFICIENCY  
10 YEAR PRODUCT WARRANTY  
25 YEAR LINEAR POWER OUTPUT WARRANTY  
**DUTY\*FREE** US IMPORT DUTY FREE

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	46.6°C ( $\pm 2^\circ\text{C}$ )
Temperature Coefficient of $P_{MPP}$	-0.38 %/°C
Temperature Coefficient of $V_{OC}$	-0.27 %/°C
Temperature Coefficient of $I_{SC}$	0.013 %/°C

## GENERAL DATA

Cell Type:	72 REC PE multicrystalline 3 strings of 24 cells with bypass diodes
Glass:	5/32" solar glass with anti-reflection surface treatment
Back Sheet:	Double layer highly resistant polyester
Frame:	Anodized aluminum (silver)
Junction Box:	IP67 rated 4 mm <sup>2</sup> solar cable, 47" + 59"
Connectors:	MC4 connectable (4 mm <sup>2</sup> )
Origin:	Made in Singapore

## MAXIMUM RATINGS

Operational Temperature:	-40...+85°C
Maximum System Voltage:	1000 V
Design Load:	75.2 lbs/ft <sup>2</sup> (3600 Pa)* 33.4 lbs/ft <sup>2</sup> (1600 Pa)* *Refer to installation manual
Max Series Fuse Rating:	20 A
Max Reverse Current:	20 A

## MECHANICAL DATA

Dimensions:	77 1/2 x 39 x 1 3/4 in
Area:	21 ft <sup>2</sup>
Weight:	59 1/2 lbs

**Note!** All specifications are subject to change without notice at any time.

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. REC is headquartered in Norway and listed on the Oslo Stock Exchange (ticker: RECSOL). Our 1,600 employees worldwide generated revenues of USD 647 million in 2013.

