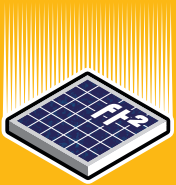


## HIGH PERFORMANCE SOLAR PANELS

# 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.



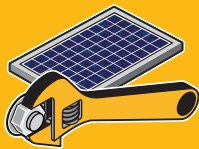
**MORE POWER  
PER FT<sup>2</sup>**



**US IMPORT DUTY  
FREE**



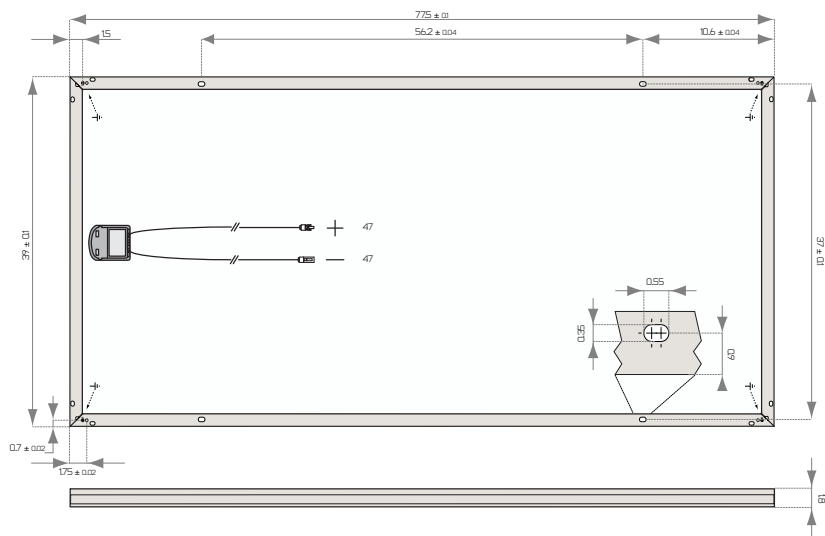
**100%  
PID FREE**



**REDUCED BALANCE OF  
SYSTEM COSTS**



# REC PEAK ENERGY 72 SERIES



All measurements in inches

ELECTRICAL DATA @ STC	Product Code*: RECxxxPE72					
Nominal Power - $P_{MPP}$ (Wp)	300	305	310	315	320	325
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	36.5	36.9	37.2	37.5	37.9	38.5
Nominal Power Current - $I_{MPP}$ (A)	8.22	8.27	8.34	8.40	8.45	8.46
Open Circuit Voltage - $V_{OC}$ (V)	44.9	45.2	45.5	45.8	46.1	46.4
Short Circuit Current - $I_{SC}$ (A)	8.76	8.82	8.88	8.93	8.99	9.05
Panel Efficiency (%)	15.4	15.6	15.9	16.2	16.4	16.7

Measurement tolerance of ±3% from nominal values; values at standard test conditions STC (airmass AM1.5, irradiance 1000 W/m<sup>2</sup>, 25°C cell)  
 \*Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC indicated above, and can be followed by the suffix XV for 1500V rated modules.

ELECTRICAL DATA @ NOCT	Product Code*: RECxxxPE72					
Nominal Power - $P_{MPP}$ (Wp)	217	221	225	229	232	236
Nominal Power Voltage - $V_{MPP}$ (V)	29.9	30.1	30.4	30.6	30.8	31.0
Nominal Power Current - $I_{MPP}$ (A)	7.27	7.34	7.41	7.48	7.54	7.61
Open Circuit Voltage - $V_{OC}$ (V)	36.9	37.2	37.4	37.6	37.9	38.1
Short Circuit Current - $I_{SC}$ (A)	7.67	7.72	7.77	7.83	7.88	7.94

Nominal cell operating temperature NOCT (800 W/m<sup>2</sup>, AM 1.5, windspeed 1 m/s, ambient temperature 20°C).  
 \*Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC indicated above, and can be followed by the suffix XV for 1500V rated modules.

**CERTIFICATION**

UL 1703, Fire type 2, CEC listed, IEC 61215 & IEC 61730;  
 IEC 62804 (PID Free), IEC 61701 (Salt Mist Level 6),  
 IEC 62716 (Ammonia Resistance), ISO 11925-2 (Ignitability Class E),  
 UNI 8457/9174 (Class A), ISO 9001:2015, ISO 14001, OHSAS 18001

**WARRANTY**

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

16.7% 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 (±2°C)
Temperature Coefficient of $P_{MPP}$	-0.40 %/°C
Temperature Coefficient of $V_{OC}$	-0.27 %/°C
Temperature Coefficient of $I_{SC}$	0.013 %/°C

**GENERAL DATA**

Cell Type:	72 multicrystalline 3 strings of 24 cells with 3 bypass diodes
Glass:	0.16" (4 mm) solar glass with anti-reflection surface treatment
Back Sheet:	Highly resistant polyester
Frame:	Anodized aluminum (silver)
Junction Box:	IP67 rated 4 mm <sup>2</sup> PV wire, 47" + 47" (1.2 + 1.2 m)
Connectors:	Tonglin TL-Cable01 / Tonglin-Cable01S-F* 12 AWG (4 mm <sup>2</sup> ) *Dependent on product type

**MAXIMUM RATINGS**

Operational Temperature:	-40 ... 176°F (-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:	77.5 x 39.1 x 1.8 in (1968 x 991 x 45 mm)
Area:	21 ft <sup>2</sup> (1.95 m <sup>2</sup> )
Weight:	59.5 lbs (27 kg)

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

Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 people worldwide, producing 1.4 GW of solar panels annually.

www.recgroup.com

Ref: NE-05-05-06 - Rev.L - 02.2017