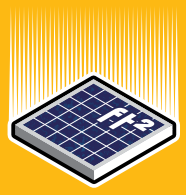
ENERGIZING LIFE TOGETHER

REC

HIGH PERFORMANCE SOLAR PANELS

REC PEAK ENERGY 72 SERIES

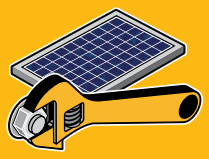
REC Peak Energy 72 Series panels are ideal for building large-scale commercial and utility projects while reducing balance of system costs.
REC combines leading standards of design and manufacturing to produce long lasting and high performance solar panels with reliable power output.



MORE POWER PER FT²

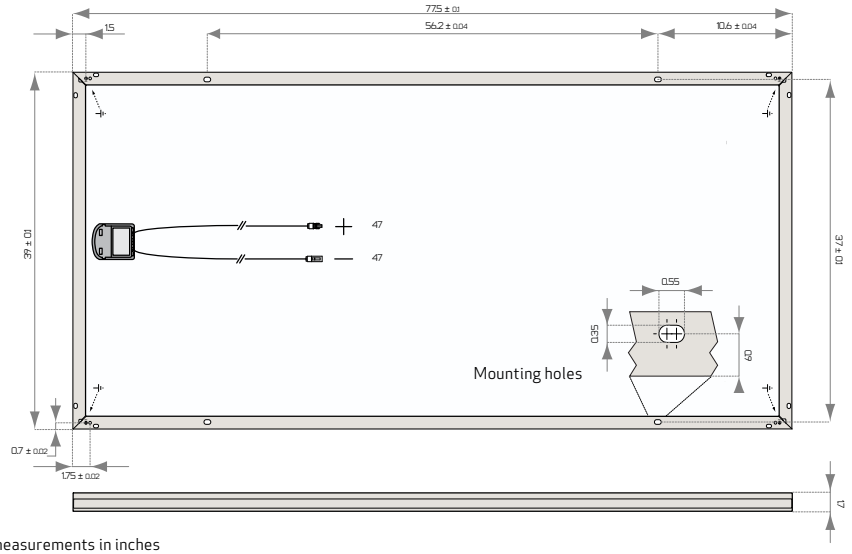
US IMPORT DUTY FREE

100% PID FREE



REDUCED BALANCE OF SYSTEM COSTS

REC PEAK ENERGY 72 SERIES



All measurements in inches

16.2%	EFFICIENCY
10	YEAR PRODUCT WARRANTY
25	YEAR LINEAR POWER OUTPUT WARRANTY
DUTY FREE	US IMPORT DUTY FREE

ELECTRICAL DATA @ STC	REC300PE72	REC305PE72	REC310PE72	REC315PE72	REC320PE72
Nominal Power - P_{MPP} (Wp)	300	305	310	315	320
Watt Class Sorting - (W)	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
Nominal Power Current - I_{MPP} (A)	8.22	8.27	8.34	8.40	8.45
Open Circuit Voltage - V_{OC} (V)	44.9	45.2	45.5	45.8	46.1
Short Circuit Current - I_{SC} (A)	8.76	8.82	8.88	8.93	8.99
Panel Efficiency (%)	15.4	15.6	15.9	16.2	16.4

Measurement tolerance of ±3% from nominal values; values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², 25°C cell temperature). At low irradiance of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 95.5% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC300PE72	REC305PE72	REC310PE72	REC315PE72	REC320PE72
Nominal Power - P_{MPP} (Wp)	217	221	225	229	232
Nominal Power Voltage - V_{MPP} (V)	29.9	30.1	30.4	30.6	30.8
Nominal Power Current - I_{MPP} (A)	7.27	7.34	7.41	7.48	7.54
Open Circuit Voltage - V_{OC} (V)	36.9	37.2	37.4	37.6	37.9
Short Circuit Current - I_{SC} (A)	7.67	7.72	7.77	7.83	7.88

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

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	46.6°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.4 %/°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 bypass diodes
Glass:	0.16" solar glass with anti-reflection surface treatment
Back Sheet:	Double layer highly resistant polyester
Frame:	Anodized aluminum (silver)
Junction Box:	IP67 rated 4 mm² solar cable, 47" + 47"
Connectors:	MC4 connectable (4 mm²)

MAXIMUM RATINGS

Operational Temperature:	-40 ... +85°C
Maximum System Voltage:	1000 V
Design Load:	75.2 lbs/ft² (3600 Pa)* 33.4 lbs/ft² (1600 Pa)* *Refer to installation manual
Max Series Fuse Rating:	20 A
Max Reverse Current:	20 A

MECHANICAL DATA

Dimensions:	77.5 x 39 x 1.7 in
Area:	21 ft²
Weight:	59.5 lbs

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

CERTIFICATION

Certified according to UL 1703, CEC listed
Certified according to IEC 61215 & IEC 61730;
IEC 61701 Salt Mist Corrosion Resistance &
IEC 62716 Ammonia Corrosion Resistance

WARRANTY

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

Celebrating its 20th anniversary in 2016, REC is a leading European brand of solar panels. Through integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC concluded 2015 with 2,000 employees worldwide, 1.3 GW solar panel production capacity, and annual revenues of USD 755 million.

REC

www.recgroup.com

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