

SOLAR'S MOST TRUSTED



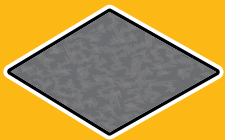
## HIGH PERFORMANCE SOLAR PANELS

# REC PEAK ENERGY SERIES

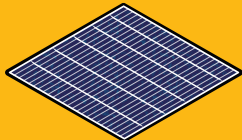
REC Peak Energy Series panels are the perfect choice for building solar systems that combine long lasting product quality with reliable power output.

REC combines leading standards of design and manufacturing to produce high-performance solar panels with uncompromising quality.

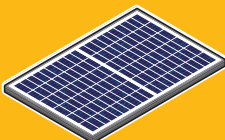
## INTEGRATED MANUFACTURING IN SINGAPORE



WAFERS



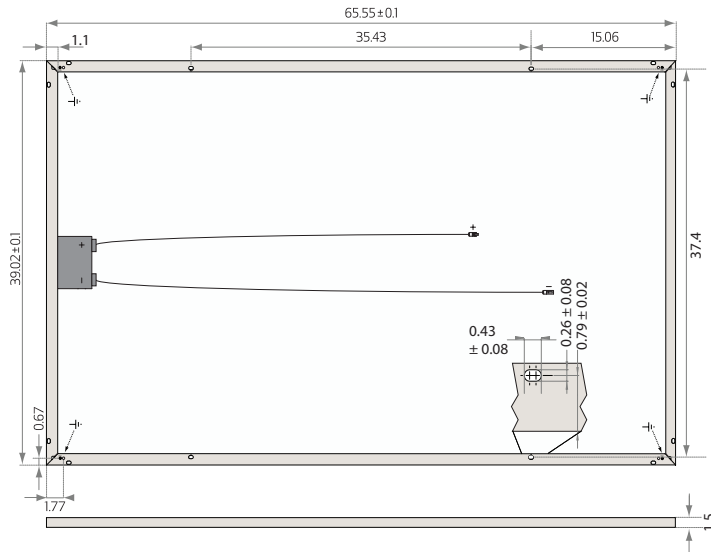
CELLS



MODULES



# REC PEAK ENERGY SERIES



All measurements in inches

ELECTRICAL DATA @ STC	Product Code*: RECxxxPE					
Nominal Power - $P_{MPP}$ (Wp)	250	255	260	265	270	275
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	30.2	30.5	30.7	30.9	31.2	31.5
Nominal Power Current - $I_{MPP}$ (A)	8.30	8.42	8.50	8.58	8.66	8.74
Open Circuit Voltage - $V_{OC}$ (V)	37.4	37.6	37.8	38.1	38.4	38.7
Short Circuit Current - $I_{SC}$ (A)	8.86	8.95	9.01	9.08	9.18	9.25
Panel Efficiency (%)	15.2	15.5	15.8	16.1	16.4	16.7

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 95.5% of the STC panel efficiency will be achieved.  
\*Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC indicated above, and can be followed by the suffix BLK for black framed modules.

ELECTRICAL DATA @ NOCT	Product Code*: RECxxxPE					
Nominal Power - $P_{MPP}$ (Wp)	183	187	190	193	196	202
Nominal Power Voltage - $V_{MPP}$ (V)	27.8	28.0	28.2	28.4	28.6	28.8
Nominal Power Current - $I_{MPP}$ (A)	6.58	6.68	6.74	6.80	6.86	7.02
Open Circuit Voltage - $V_{OC}$ (V)	34.7	34.8	35.0	35.3	35.7	36.0
Short Circuit Current - $I_{SC}$ (A)	7.11	7.18	7.23	7.29	7.35	7.40

Nominal operating cell 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 BLK for black framed modules.

**CERTIFICATION**

UL 1703, Fire Type 2, IEC 61215, IEC 61730, IEC 62804 (PID), IEC 62716 (Ammonia Resistance), IEC 60068-2-68 (Blowing Sand), IEC 61701 (Salt Mist level 6), UNI 8457/9174 (class A), ISO 11925-2 (class E), ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

**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)	45.7°C (±2°C)
Temperature Coefficient of $P_{MPP}$	-0.40 %/°C
Temperature Coefficient of $V_{OC}$	-0.27 %/°C
Temperature Coefficient of $I_{SC}$	0.024 %/°C

**GENERAL DATA**

Cell Type:	60 multi-crystalline 3 strings of 20 cells with 3 bypass diodes
Glass:	0.12" mm solar glass with anti-reflection surface treatment
Back Sheet:	Highly resistant polyester
Frame:	Anodized aluminum (Available in silver or black)
Junction Box:	IP67 rated 4 mm <sup>2</sup> PV wire, 35" + 47"
Connectors:	Stäubli MC4 PV-KBT4/PV-KST4 12 AWG (4 mm <sup>2</sup> )
Origins:	Silicon: Made in USA & Norway Wafer/Cell/Module: Made in Singapore

**MAXIMUM RATINGS**

Operational Temperature:	-40 ... +85°C
Maximum System Voltage:	600 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:	15 A
Max Reverse Current:	15 A

**MECHANICAL DATA**

Dimensions:	65.55 x 39 x 1.5 in
Area:	17.75 ft <sup>2</sup>
Weight:	39.5 lbs

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



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