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Web: [EnergyPal.com](https://energypal.com)

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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes

Poly Module

250W, 255W, 260W, 265W



DNV GL enables organizations to advance the safety, sustainability, and named in the top group



Industry leading lowest thermal co-efficient of power



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance of +5W

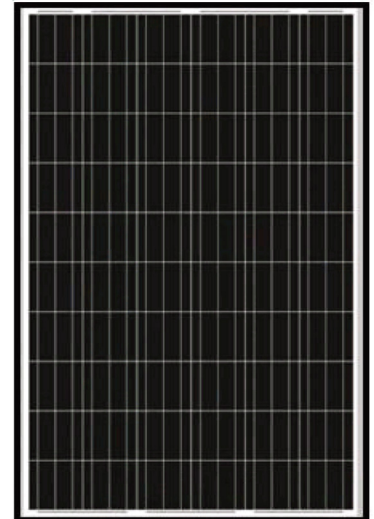


Two stage 100% EL inspection warranting defect-free products

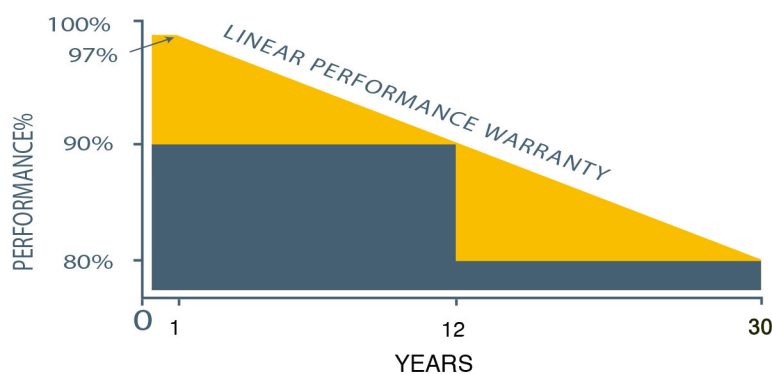


Certified to withstand severe enviromental conditions:

1. Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert enviroments
2. Dynamic mechanical load test by 1000 cycles+50TC+10HF



Supply Black and Silver Frame



12-YEAR

material & workmanship

30-YEAR

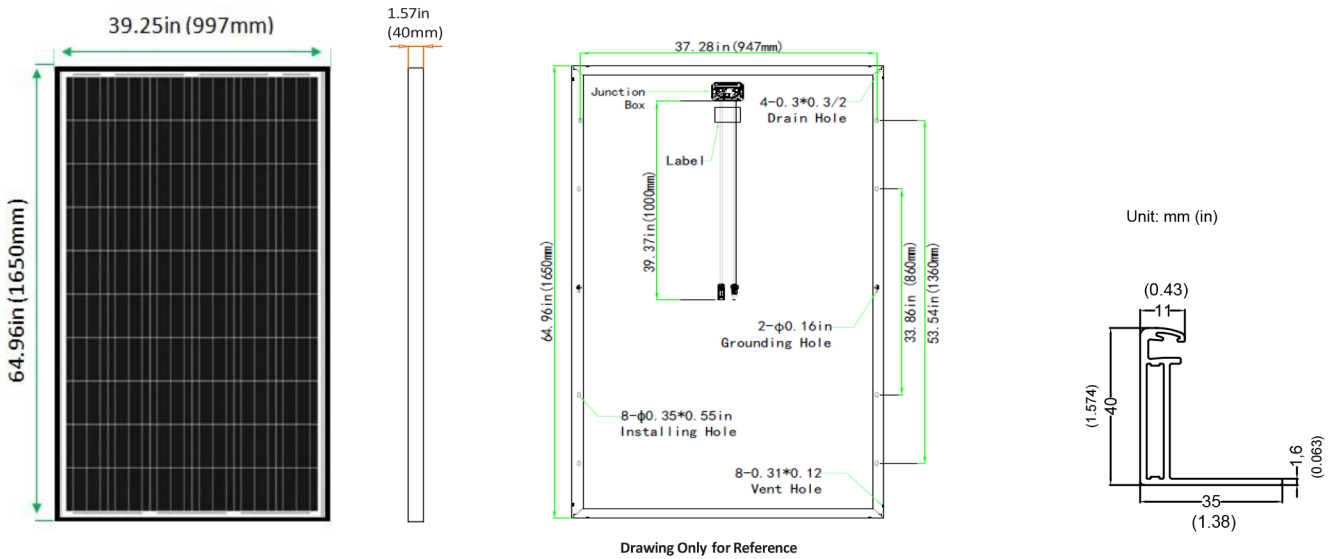
linear power output



ISO 9001
ISO 14001
OHSAS 18001



Dimensions

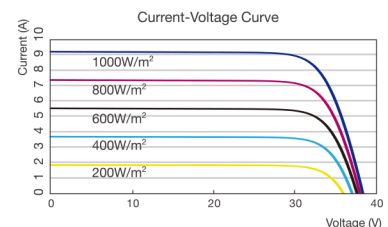


Electrical Characteristics STC

	SMX-250P	SMX-255P	SMX-260P	SMX-265P
Maximum Power(Pmax)	250W	255W	260W	265W
Power Tolerance	0~+5w	0~+5w	0~+5w	0~+5w
Module Efficiency	15.2%	15.5%	15.8%	16.1%
Maximum Power Current(Imp)	8.20A	8.28A	8.37A	8.44A
Maximum Power Voltage(Vmp)	30.5V	30.8V	31.1V	31.4V
Short Circuit Current(Isc)	8.85A	8.92A	8.98A	9.03A
Open Circuit Voltage(Voc)	37.7V	38.0V	38.1V	38.6V

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

IV-CURVE



Mechanical Characteristics

Cell Type	Polycrystalline 6 inch, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
Dimension	*64.96x39.25x1.57 in. (1650x997x40 mm)
Output Cable	4mm ² (EU)/12AWG(US), 39.37in (1000mm)
Weight	42.8lbs (19.4kg)
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temperature (NOCT)	45 ± 2°
Module Fire performance	Type 2
Static Snow Load	5400 Pa / 113 psf
Static Wind Load	2400 Pa / 50 psf

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- ❖ T/C 200
- ❖ DH 1000
- ❖ UV 60 kwhm²
- ❖ MEL 2400Pa@3 Cycle
- ❖ PID N/A
- ❖ Field outdoor exposure N/A

SunSpark: DNV GL PVEL

- ❖ T/C 600
- ❖ DH 2000
- ❖ UV 90 kwhm²
- ❖ DML 1K Cycle+TC50+HF10
- ❖ PID 196h
- ❖ Field outdoor exposure 1 year

GTM PV Module Reliability Scorecard

Items	Conditions	Power Change (%)	Name in top group
T/C	600 cycles	-4.47	
DH	2,000 hours	0.06	X
MEL	1,100 cycles at 1,440 pa	-0.4	X
	2, TC 50		
	3, HF 10		
PID	-1000V@192 hours	2.11	X