

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

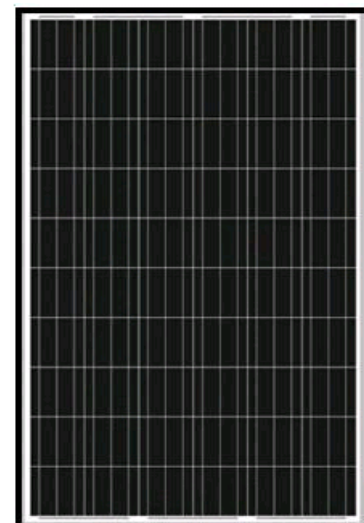


Triple stage 100% EL inspection warranting defect-free products

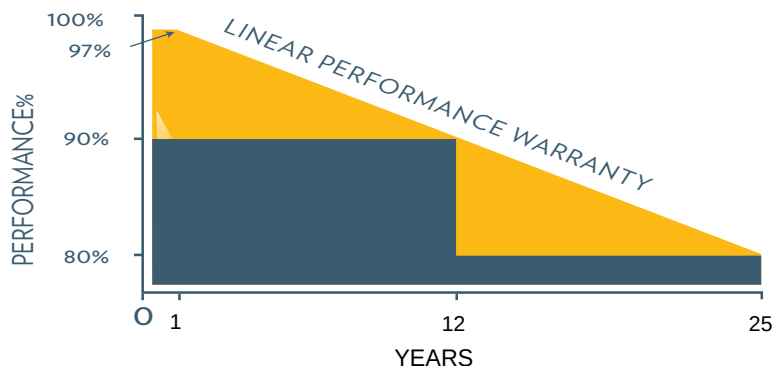


Certified to withstand severe environmental conditions:

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



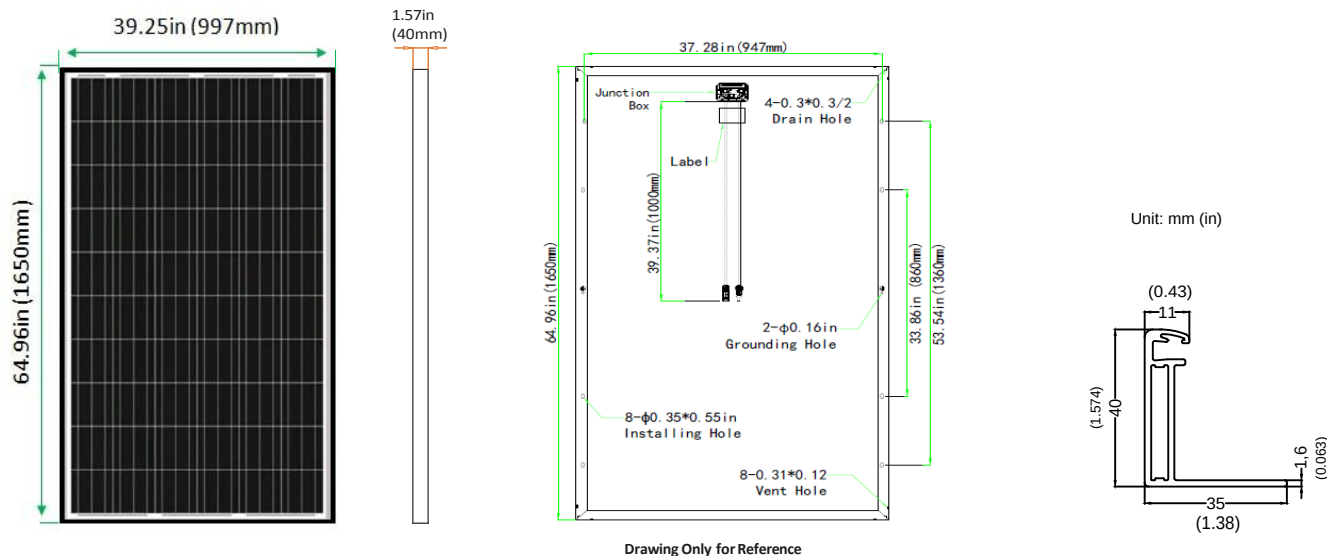
Supply Black and Silver Frame



ISO 9001
ISO 14001
OHSAS 18001



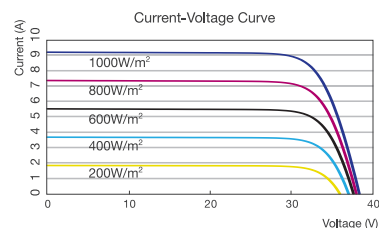
Dimensions



Electrical Characteristics STC	SMX-250P	SMX-255P	SMX-260P	SMX-265P
Maximum Power(P _{max})	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(I _{mp})	8.20A	8.28A	8.37A	8.44A
Maximum Power Voltage(V _{mp})	30.5V	30.8V	31.1V	31.4V
Short Circuit Current(I _{sc})	8.85A	8.92A	8.98A	9.03A
Open Circuit Voltage(V _{oc})	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	*64.96x39.25x1.57in. (1650x997x40mm)
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 V _{oc}	-0.30%/°C
Temperature Coefficient of I _{sc}	0.04%/°C
Temperature Coefficient of P _{max}	-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 kWh/m²
- ❖ MEL 2400Pa@3 Cycle
- ❖ PID N/A
- ❖ Field outdoor exposure N/A

SunSpark: DNV GL PVEL

- ❖ T/C 600
- ❖ DH 2000
- ❖ UV 90 kWh/m²
- ❖ 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, 1,000 cycles at 1,440 pa	-0.4	X
	2, TC 50		
	3, HF 10		
PID	-1000V@192 hours	2.11	X