

Solarpeace 96-125M M9X-XXX Series (XXX=Pmax)



Electrical Data

Model No.	M9X-XXX	M9X-240	M9X-250	M9X-260	M9X-270
Nominal peak power	Pmax(Wp)	240	250	260	270
Maximum power voltage	Vmp (V)	48.00	48.96	49.50	49.90
Maximum power current	Imp (A)	5.00	5.11	5.25	5.42
Short-circuit current	Isc(A)	5.43	5.53	5.63	5.75
Open circuit voltage	Voc(V)	58.50	59.20	60.00	60.70
Optimized cell efficiency	cη (%)	16.60	17.40	18.00	18.80
Optimized module efficiency	mη(%)	14.29	14.88	15.48	16.07
Power tolerance	%	0 ~ +5			

STC: Irradiance of 1000W /m2, Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating temperature	°C	-40 ~ +85
Maximum system voltage (UL/IEC Standard)	VDC	600/1000
Fire safety class	/	Class C
Rated mechanical load	Pa	5400

Temperature and Coefficients

NOCT	°C	48±2
Current temperature coefficient	%/°C	0.05
Voltage temperature coefficient	%/°C	-0.33
Power temperature coefficient	%/°C	-0.34

NOCT:Nominal Operation Cell Temperature

Additional Data

Type of cells connection		Serial connection
Number of cells	cells	96
Panel Dimensions (L/W/H)	mm	1600/1050/35
Net weight	kgs	21
Number of module per pallet	pcs	56 (2x28PCS/CTN)
Number of pallet per 40'HQ	Pallets	14
Pallet dimensions (L/W/H)	mm	1650/1120/2400
Gross weight per pallet	kgs	1266

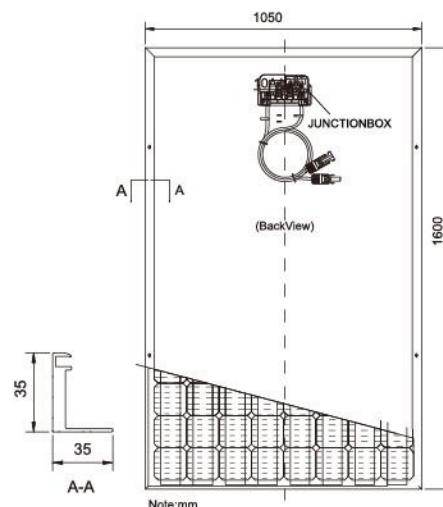
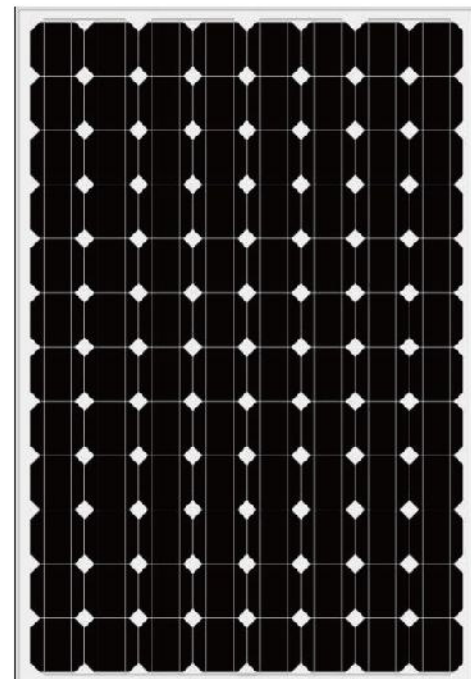
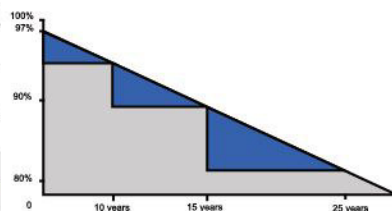
Impact resistance: can bear the force that is generated by one 227g steel ball fall down from 1m height.

Guarantee and Warranty

25 years (80%) life time power output guaranteed.

15 years (90%)life time power output guaranteed.

10 years warranty for materials and workmanship.



IV Curve

Module Graph 260W

