

Solarpeace 80-125M M8X-XXX Series (XXX=Pmax)



Electrical Data

Model No.	M8X-XXX	M8X-210	M8X-215	M8X-220	M8X-225
Nominal peak power	Pmax(Wp)	210	215	220	225
Maximum power voltage	Vmp (V)	40.70	41.00	41.20	41.60
Maximum power current	Imp (A)	5.16	5.24	5.34	5.41
Short-circuit current	Isc(A)	5.51	5.61	5.65	5.70
Open circuit voltage	Voc(V)	49.84	49.90	50.20	50.70
Optimized cell efficiency	cη (%)	17.60	18.00	18.40	18.80
Optimized module efficiency	mη(%)	15.04	15.40	15.75	16.11
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	80
Panel Dimensions (L/W/H)	mm	1330/1050/35
Net weight	kgs	15.7
Number of module per pallet	pcs	56
Number of pallet per 40'HQ	Pallets	16
Pallet dimensions (L/W/H)	mm	1380/1120/2400
Gross weight per pallet	kgs	970

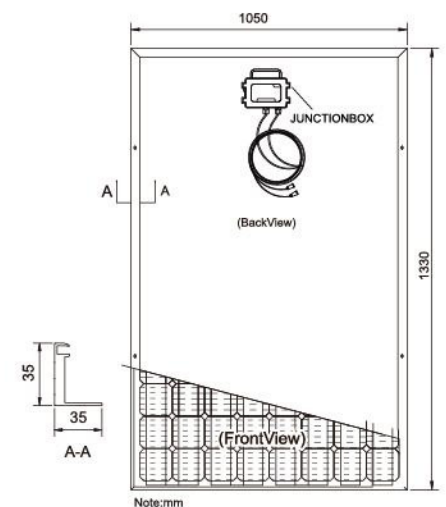
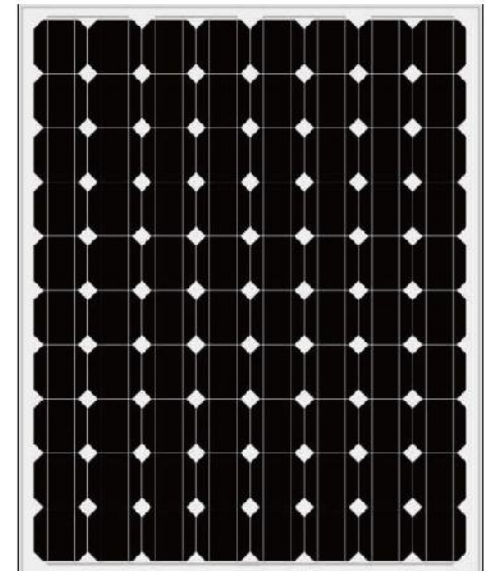
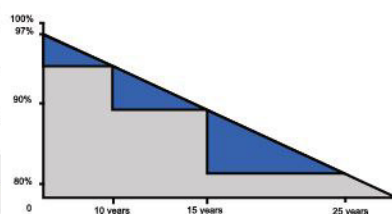
Impact resistance: can bear the force that is generated by one 227g steel ball fall down from 1m height.

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

