

Solarpeace 48-125M

M4X-XXX Series (XXX=Pmax)



Electrical Data

Model No.	M4X-XXX	M4X-110	M4X-120	M4X-125	M4X-130
Nominal peak power	Pmax(Wp)	110	120	125	130
Maximum power voltage	Vmp (V)	23.00	24.00	24.30	24.60
Maximum power current	Imp (A)	4.79	5.00	5.15	5.29
Short-circuit current	Isc(A)	5.10	5.33	5.44	5.61
Open circuit voltage	Voc(V)	28.85	29.80	30.10	30.20
Optimized cell efficiency	cη (%)	15.40	16.80	17.40	18.00
Optimized module efficiency	mη(%)	12.66	13.81	14.40	15.00
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	48
Panel Dimensions (L/W/H)	mm	1086/800/30
Net weight	kgs	10
Number of module per pallet	pcs	69
Number of pallet per 40'HQ	Pallets	20
Pallet dimensions (L/W/H)	mm	1136/1120/2194
Gross weight per pallet	kgs	754

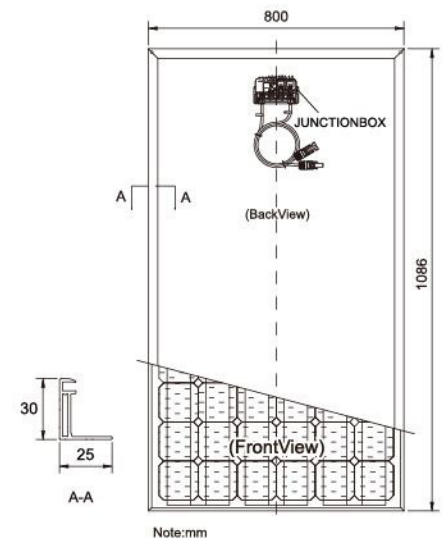
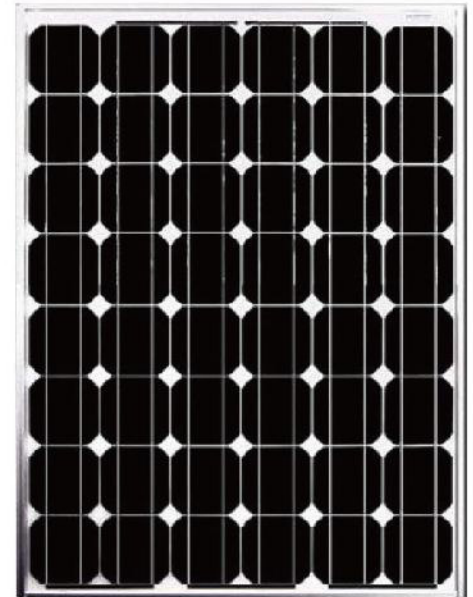
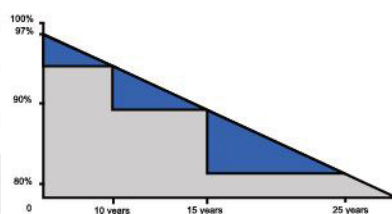
Impact resistance: can bear the force that is generated by one 227g steel ball fall down from 1m height.

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

