

Solarpeace 36-125M

M3X-XXX Series (XXX=Pmax)



Electrical Data

Model No.	M3X-XXX	M3X-80	M3X-90	M3X-95	M3X-100
Nominal peak power	Pmax(Wp)	80	90	95	100
Maximum power voltage	Vmp (V)	17.00	18.00	18.40	18.80
Maximum power current	Imp (A)	4.71	5.00	5.17	5.32
Short-circuit current	Isc(A)	5.05	5.30	5.49	5.64
Open circuit voltage	Voc(V)	21.35	22.40	22.70	23.18
Optimized cell efficiency	c η (%)	14.80	16.80	17.60	18.60
Optimized module efficiency	m η (%)	12.12	13.64	14.40	15.20
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	36
Panel Dimensions (L/W/H)	mm	1200/550/30
Net weight	kgs	8
Number of module per pallet	pcs	80
Number of pallet per 40'HQ	Pallets	18
Pallet dimensions (L/W/H)	mm	1230/1100/2080
Gross weight per pallet	kgs	714

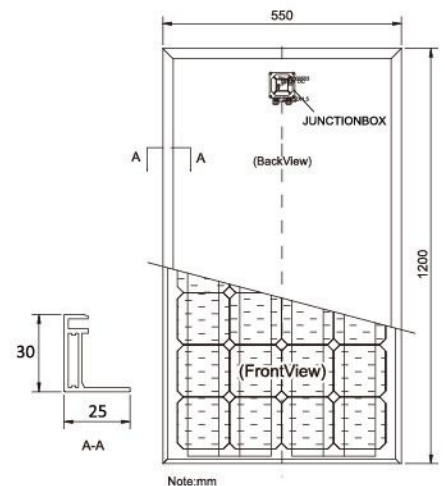
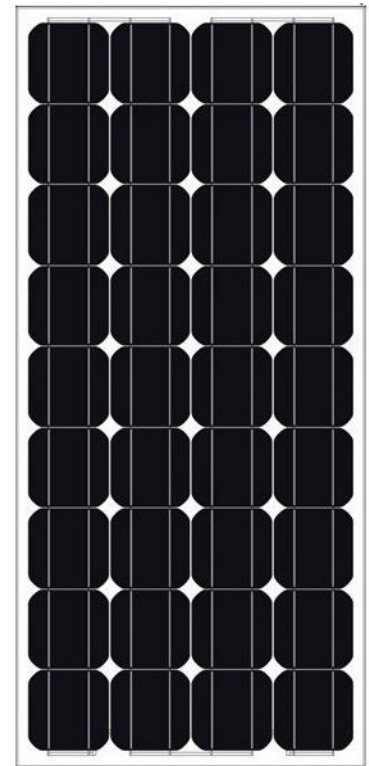
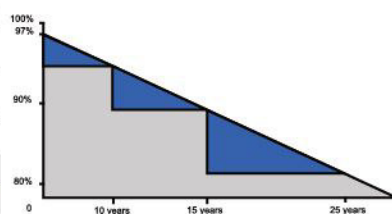
Impact resistance: can bear the force that is generated by one 227g steel ball fall down from 1m height.

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 90W

