

Solarpeace 48-156P

P4Y-XXX Series (XXX=Pmax)



Electrical Data

Model No.	P4Y-XXX	P4Y-180	P4Y-185	P4Y-190	P4Y-200
Nominal peak power	Pmax(Wp)	180	185	190	200
Maximum power voltage	Vmp (V)	23.80	24.00	24.10	24.66
Maximum power current	Imp (A)	7.57	7.71	7.89	8.11
Short-circuit current	Isc(A)	8.14	8.20	8.26	8.48
Open circuit voltage	Voc(V)	29.70	30.10	30.50	31.04
Optimized cell efficiency	cη (%)	16.00	16.40	16.80	17.60
Optimized module efficiency	mη(%)	13.70	14.09	14.47	15.23
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	0.09
Voltage temperature coefficient	%/°C	-0.43
Power temperature coefficient	%/°C	-0.43

NOCT:Nominal Operation Cell Temperature

Additional Data

Type of cells connection		Serial connection
Number of cells	cells	48
Panel Dimensions (L/W/H)	mm	1324/ 992 / 40
Net weight	kgs	16.2
Number of module per pallet	pcs	54
Number of pallet per 40'HQ	Pallets	16
Pallet dimensions (L/W/H)	mm	1380 /1120 / 2500
Gross weight per pallet	kgs	954

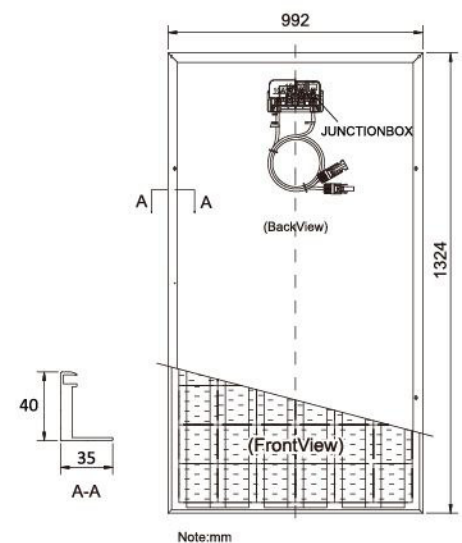
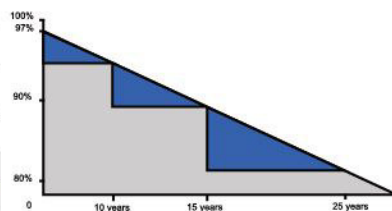
Impact resistance: can bear the force that is generated by one 227g steel ball fall down from 1m height.

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 180W

