

Solarfennel Corp.

PS6A-240-245-250



Electrical Data

POLY-156mm Solar cells	PS6A-240	PS6A-245	PS6A-250
Nominal peak power(Pmax)	240Wp	245Wp	250Wp
Maximum power voltage(Vmp)	30.65V	30.8V	30.91V
Maximum power current(Imp)	7.83A	7.96A	8.09A
Short-circuit current(Isc)	8.36A	8.49A	8.62A
Open circuit voltage(Voc)	37.8V	37.98V	38.11V
Optimized cell efficiency(η)	17.00%	17.40%	17.60%

Power Tolerance: 0 ~ +3%

Limits

Operating temperature	-40°C to +85°C
Maximum system voltage (IEC/UL standard)	1000VDC/600VDC

Temperature and Coefficients

NOCT	48°C±2°C	
Current temperature coefficient	%/°C	0.09
Voltage temperature coefficient	%/°C	-0.43
Power temperature coefficient	%/°C	-0.43

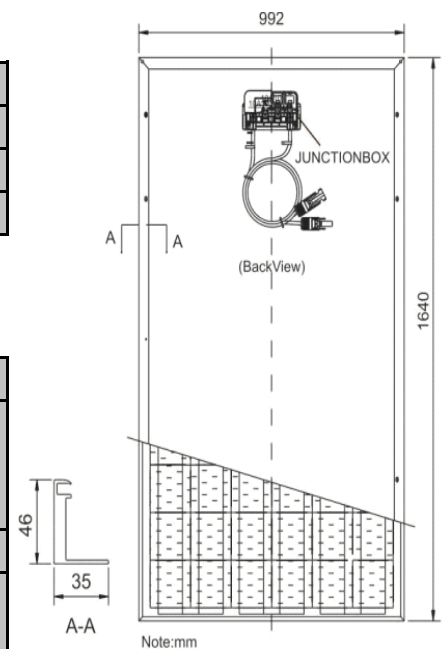
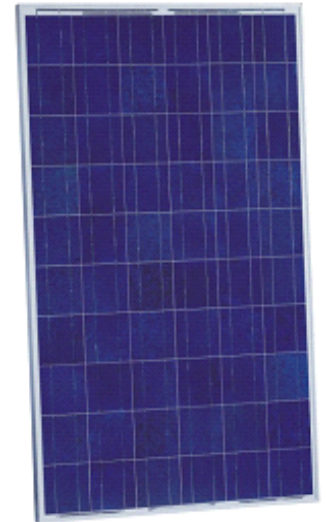
NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	60,serial connection
Dimensions	Length:1640mm Width:992mm Height:46mm
Net weight	20kgs/pc
Gross weight	475kgs/ctn(22pcs/ctn) 44kgs/ctn(2pcs/ctn) 1047lbs/ctn(22pcs/ctn) 97lbs/ctn(2pcs/ctn)
Package dimension	1695x1120x1140mm 1658x1022x110mm 67"x45"x45" 66"x41"x4"
Container loading	672PCS/40'HQ 48PCS/PALLET 228PCS/20'GP 2PCS/CTN

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

Guaranteed Power Output	15 year:90% of its nominal power rating
Warranted Tolerance: ±5%	25 year:80% of its nominal power rating
Impact Resistance	Can bear the force that is generated by one 227g steel ball fall down from 1m height
Warranty period	10 years:Materials and workmanship defects
Certificates	UL1703/CSA, CEC.
Cells	Polycrystalline silicon photovoltaic cell



Characteristics

Module Graph 240W

