

**POLY -250W
156mm solar cells**

Electrical Data

POLY-156mm Solar cells	P6Y-240	P6Y-245	P6Y-250	P6Y-255
Nominal peak power(Pmax)	240Wp	245Wp	250Wp	250Wp
Maximum power voltage(Vmp)	30.60V	30.80V	30.91V	31.15V
Maximum power current(Imp)	7.85A	7.96A	8.09A	8.19A
Short-circuit current(Isc)	8.83A	8.49A	8.62A	8.72A
Open circuit voltage(Voc)	37.70V	37.98V	38.11V	38.29V
Optimized cell efficiency(η)	17.00%	17.20%	17.60%	17.80%

Power tolerance: 0~+5%

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	Isc	%/°C	0.09
Voltage temperature coefficient	Voc	%/°C	-0.43
Power temperature coefficient	Pmax	%/°C	-0.43

NOCT:Nominal Operation Cell Temperature

Additional Data

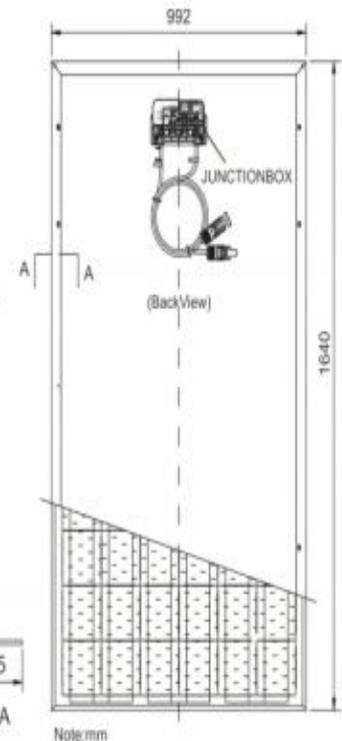
Number of cells and type of connection	60,serial connection	
Dimensions	Length:1640mm Width:992mm Height:40mm	
Net weight	19.0kgs/pc	
Gross weight	554kgs/ctn(26pcs/ctn)	81kgs/ctn(4pcs/ctn)
Package dimension	1695x1140x1160mm	1658x1022x190mm
Container loading	784PCS/40'HQ 56PCS/PALLET	

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

Guaranteed Power Output Warranted Tolerance: ±5%	15 year:90% of its nominal power rating 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	TUV,IEC,CE,MCS,UL1703/CSA,CEC,ISO
Cells	Polycrystalline silicon photovoltaic cell



25-year performance warranty
10-year workmanship warranty



Characteristics

