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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Shanghai Propsolar New Energy Co., Ltd.**

**PS-P660**

**PS-P660285**

Also available on the web at

[EnergyPal.com/shanghai-propsolar-new-energy-co-ltd-solar-panels/ps-p660285](http://EnergyPal.com/shanghai-propsolar-new-energy-co-ltd-solar-panels/ps-p660285)

## PS-P660 SERIES

-60/265-285/HV

MULTICRYSTALLINE SILICON MODULE

### Key Features



PROPSOLAR 5BB design module reduce cell series resistance and stress between cell interconnectors improves module reliability and module conversion efficiency



High output, 17.51% highest conversion efficiency



Designed for DC IEC 1000V applications



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance



### Shanghai Propsolar New Energy Co.,Ltd

Propsolar was founded in May,2010 with professional production of crystal silicon solar cell,Photovoltaic (PV) modules,solar system,solar water pump and solar street light. We specialize in the development and utilization of new energy to provide one stop service and total solution to all global customers.

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### Reliable Quality

- Positive power tolerance: 0~ +3%
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

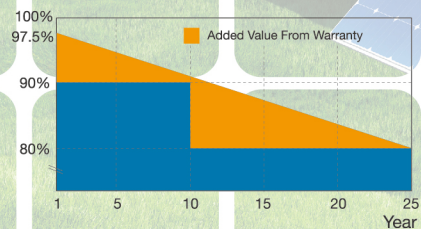
### Comprehensive Certificates

- IEC 61215, IEC 61730 and CE
- ISO 9001:2015 : Quality management systems



### Superior Warranty

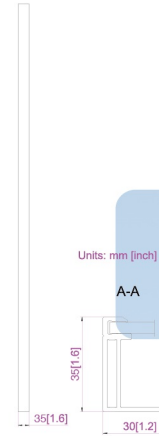
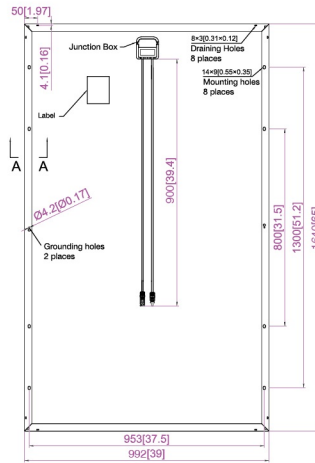
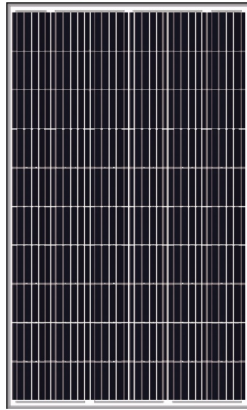
- 10-year product warranty
- 25-year linear power output warranty





## PS-P660 SERIES -60/265-285/HV

### Engineering Drawings



Units: mm [inch]

A-A

35(1.6)

30(1.2)

### MECHANICAL PARAMETERS

Cell (mm)	Poly 156x156
Weight (kg)	17.5 (approx)
Dimensions (LxWxH) (mm)	1640x992x35
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

### WORKING CONDITIONS

Maximum System Voltage	DC 1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft <sup>2</sup> )
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Application Class	Class A

### ELECTRICAL PARAMETERS

TYPE	PS-P660 265/HV	PS-P660 270/HV	PS-P660 275/HV	PS-P660 280/HV	PS-P660 285/HV
Rated Maximum Power at STC (W)	265	270	275	280	285
Open Circuit Voltage (Voc/V)	37.7	37.9	38.1	38.2	38.3
Maximum Power Voltage (Vmp/V)	30.7	30.9	31.1	31.4	31.6
Short Circuit Current (Isc/A)	9.13	9.22	9.32	9.40	9.49
Maximum Power Current (Imp/A)	8.63	8.73	8.84	8.92	9.02
Module Efficiency [%]	16.2	16.5	16.9	17.2	17.5
Power Tolerance (W)	0 ~ +3%				
Temperature Coefficient of Isc (αIsc)	+0.058%/°C				
Temperature Coefficient of Voc (βVoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γPmax)	-0.410%/°C				
STC	Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5				

### NOCT

TYPE	PS-P660 265/HV	PS-P660 270/HV	PS-P660 275/HV	PS-P660 280/HV	PS-P660 285/HV
Max Power (Pmax) [W]	192	200	204	208	211
Open Circuit Voltage (Voc) [V]	34.92	35.1	35.3	35.4	35.5
Max Power Voltage (Vmp) [V]	28.3	28.6	28.8	29.0	29.2
Short Circuit Current (Isc) [A]	7.38	7.44	7.52	7.59	7.66
Max Power Current (Imp) [A]	6.88	7.00	7.09	7.15	7.23
Condition	Under Normal Operating Cell Temperature, Irradiance of 800 W/m <sup>2</sup> , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s				

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

### I-V CURVE

