

## BYD's Dream All Human Hope

Changing human dependence on non-renewable energy as the starting point, with three green dreams of electric vehicle, energy storage station and solar farm, BYD looks forward to helping more countries and people to get rid of fossil energy over consumption crisis and environmental pollution, and strive to leave offspring a beautiful and clean world to live in.



In the daytime, solar panels capture solar energy like plants. At night, energy storage station transports the stored energy, like solar energy, wind energy, tidal energy, to thousands of families smoothly.

The electric vehicle, shuttling on the streets and lanes, is of zero emission, zero pollution.

Is this a dream?

This is the green dream of BYD and even all human beings.

Is this a dream?

No. We are already seeing it approaching us.





18.8%

Average cell efficiency up to 18.8%  
Excellent optical performance



Power tolerance 0-5W  
Reliability for output performance



10 years for product  
25 years linear Warranty



Residential roof top systems  
On/Off-grid commercial systems  
On/Off-grid utility systems



Design loads: 3600 Pa for positive  
(downward) and 1600 Pa for  
negative (upward)

Safety factors  $\gamma_m$ : 1.5



IEC61215-1(ed.1)  
IEC61215-1-1(ed.1)  
IEC61215-2(ed.1)  
IEC61730-1(ed.2)  
IEC61730-2(ed.2)

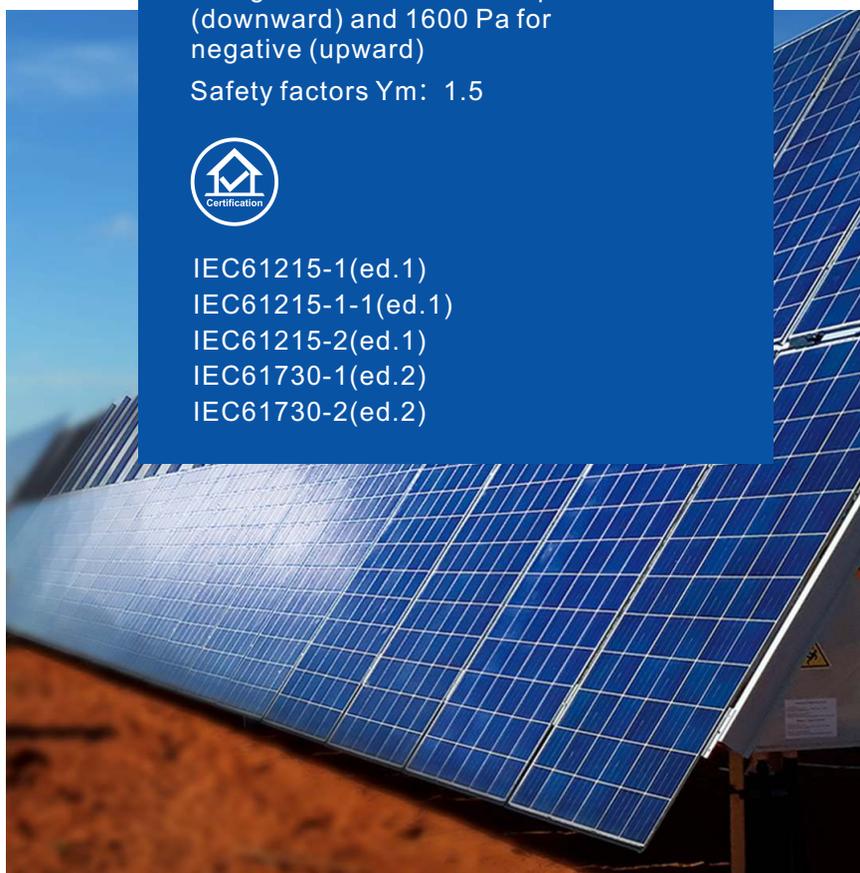
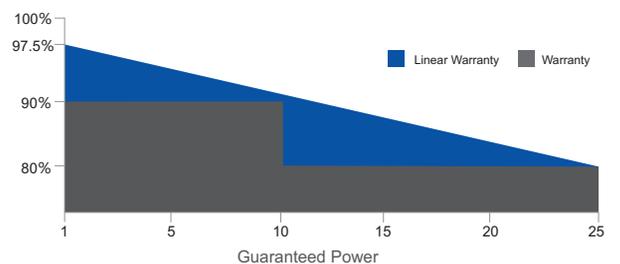
# BYD PV

## Conventional Module

**BYD P6K-30-SERIES-5BB 265-280W**



BYD PV Module 25 Years Linear Performance Warranty





# BYD P6K-30-SERIES-5BB 265-280W

The country of manufacture is China

## Mechanical Properties

Cell Type	156.75x156.75mm
Number of Cells	60(6x10)pcs
Dimension	1645x992x35mm
Weight	18.7 kg
Front/Glass	3.2 mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Type	4.0mm <sup>2</sup> *1000mm
Connector	PV-ZH202B

## Temperature Coefficient

Short-Circuit Current Temperature Coefficient	0.051%/°C
Open-Circuit Voltage Temperature Coefficient	-0.285%/°C
Peak Power Temperature Coefficient	-0.37%/°C

## Packing Information

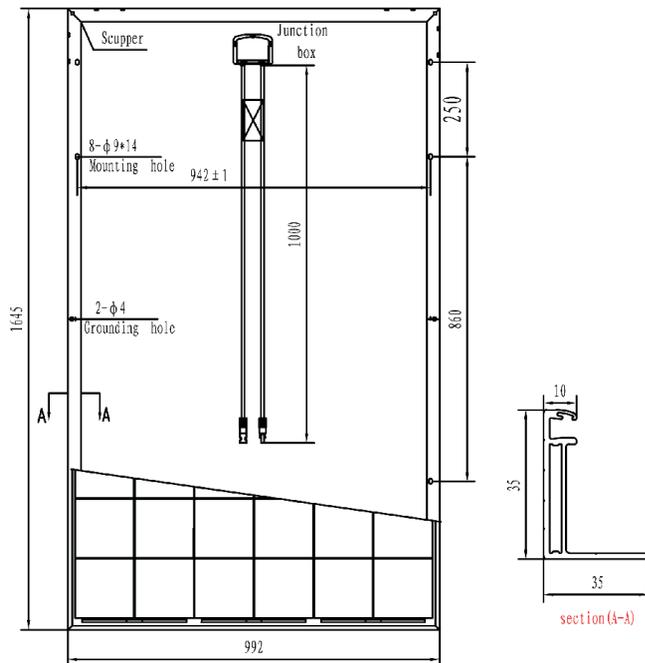
Package	40'HQ
Pcs / Pallet	30
Pallet / Container	28
Pcs / Container	840

## Electrical Properties

Module Type	BYD265P6K-30	BYD270P6K-30	BYD275P6K-30	BYD280P6K-30
Open Circuit Voltage (Voc) (V)	38.69 V ±5%	39.00 V ±5%	39.31 V ±5%	39.62 V ±5%
Short Circuit Current (Isc) (A)	9.05 A ±5%	9.13 A ±5%	9.21 A ±5%	31.68 V ±5%
MPP Voltage (Vmp)(V)	30.92 V	31.18 V	31.43 V	9.29 A
MPP Current (Imp) (A)	8.57A	8.66 A	8.75 A	8.84 A
Module Efficiency (%)	16.2%	16.5%	16.9%	17.2%
Operating Temperature (°C)	-40°C~85°C			
Maximum System Voltage (V)	1500 VDC			
Maximun Series Fuse Rating (A)	15 A			
Fire safety	Class C			
Power tolerance	0-5W			

STC: IRRADIANCE 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5

Ave. efficiency reduction of 3% at 200W/m<sup>2</sup>



## NOCT

Peak Power(Pmax)	195Wp	199Wp	203Wp	207Wp
Open Circuit Voltage (Voc)	35.9V	36.2V	36.5V	36.8V
Maximum Operating Voltage (Vmp)	28.9V	29.2V	29.4V	29.7V
Short Circuit Current (Isc)	7.31A	7.38A	7.44A	7.51A
Maximum Operating Current (Imp)	6.75A	6.82A	6.89A	6.95A

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