

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

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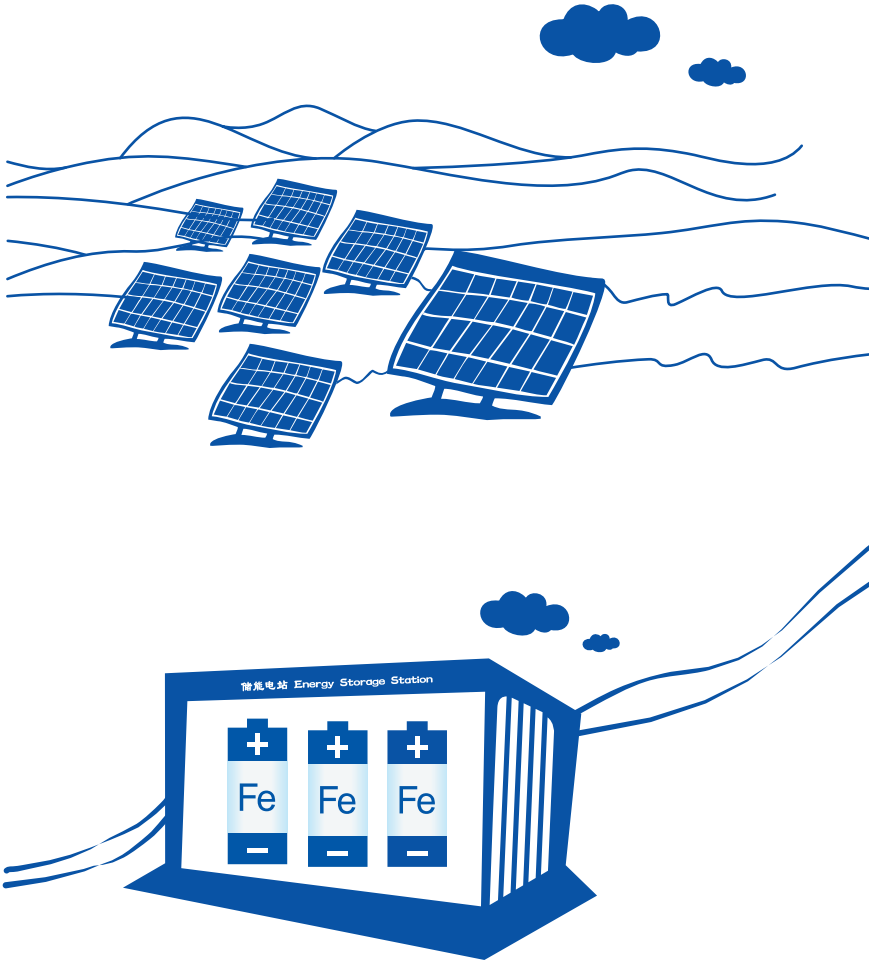
**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

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

**BYD Company Limited  
BYD PHK-30-SERIES-5BB  
BYD290PHK-30**

Also available on the web at  
[EnergyPal.com/byd-company-limited-solar-panels/byd290phk-30](http://EnergyPal.com/byd-company-limited-solar-panels/byd290phk-30)



## 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.

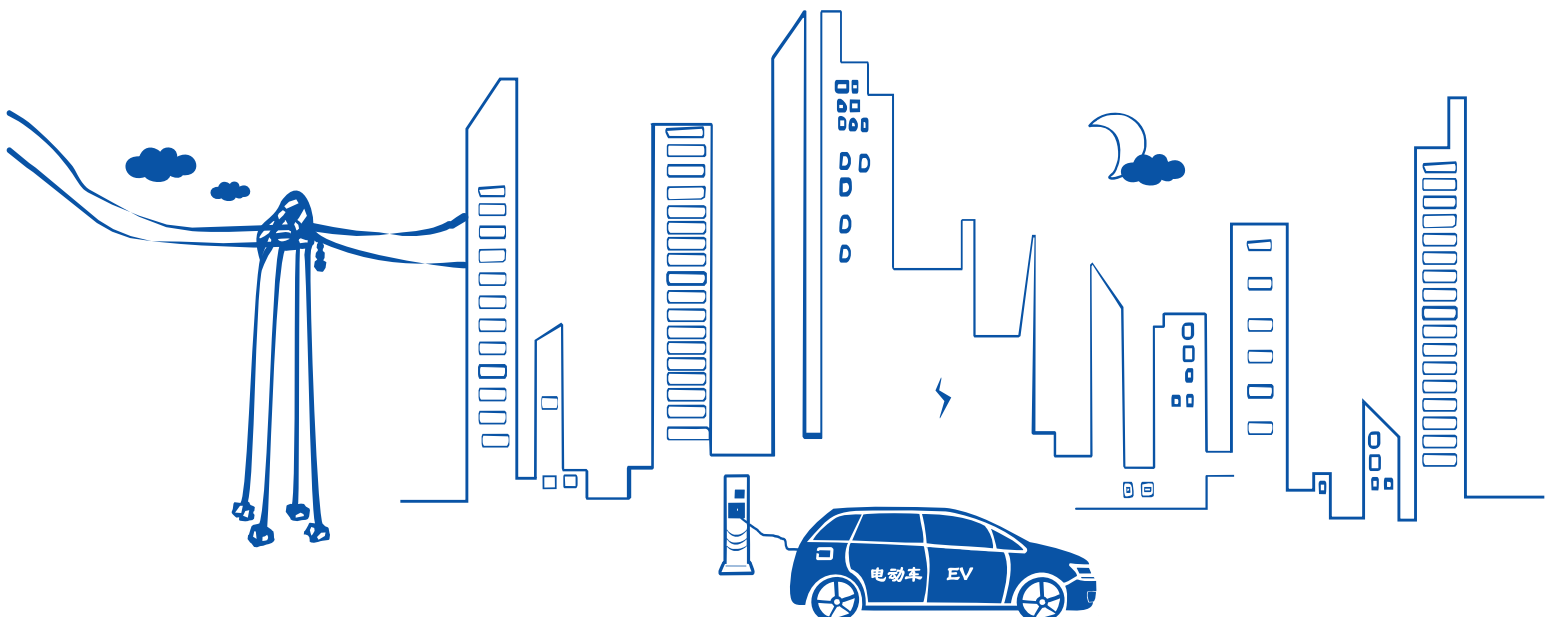
The electric vehicle, shuttling on the streets and lanes, is of zero emission, zero pollution.

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

0-5W

Power tolerance 0-5W  
Reliability for output performance

10  
Years

10 years for product  
25 years linear Warranty

Grid

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

3<sup>rd</sup>

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

Safety factors  $\gamma_m$ : 1.5

Certification

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

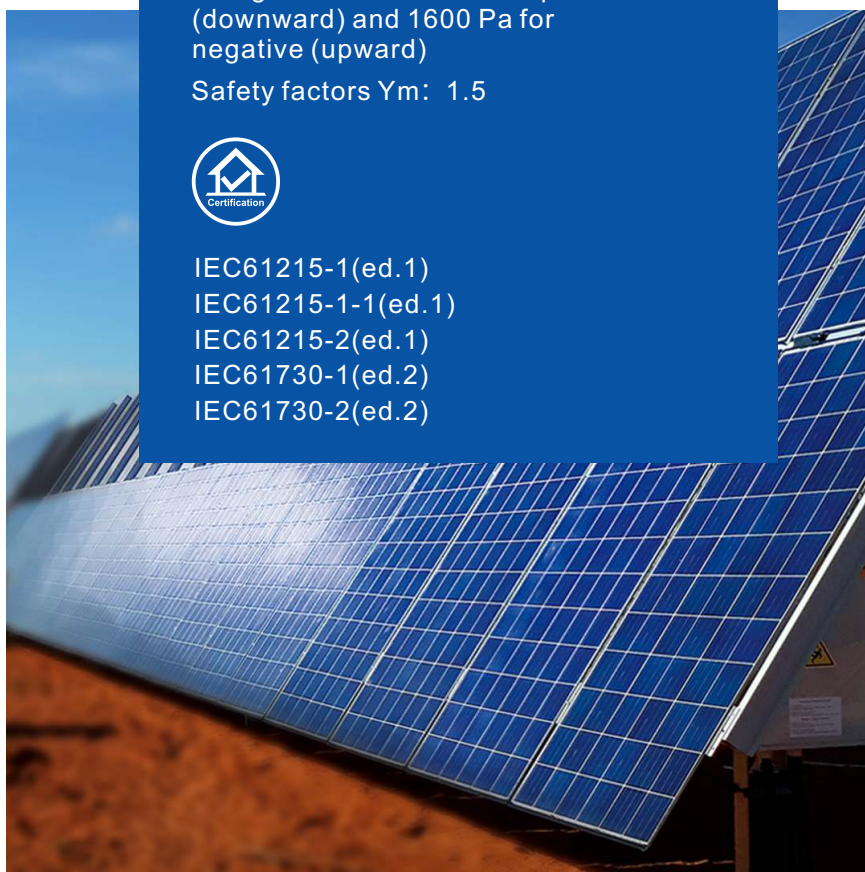
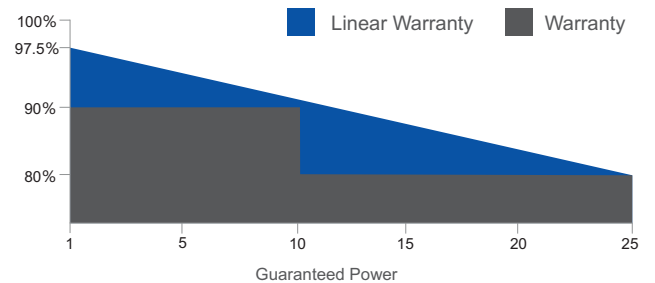
# BYD

## PV Half Cell Module

BYD PHK-30-SERIES-5BB 275-295W



BYD PV Module 25 Years Linear Performance Warranty



# BYD PHK-30-SERIES-5BB 275-295W

The country of manufacture is China

## Mechanical Properties

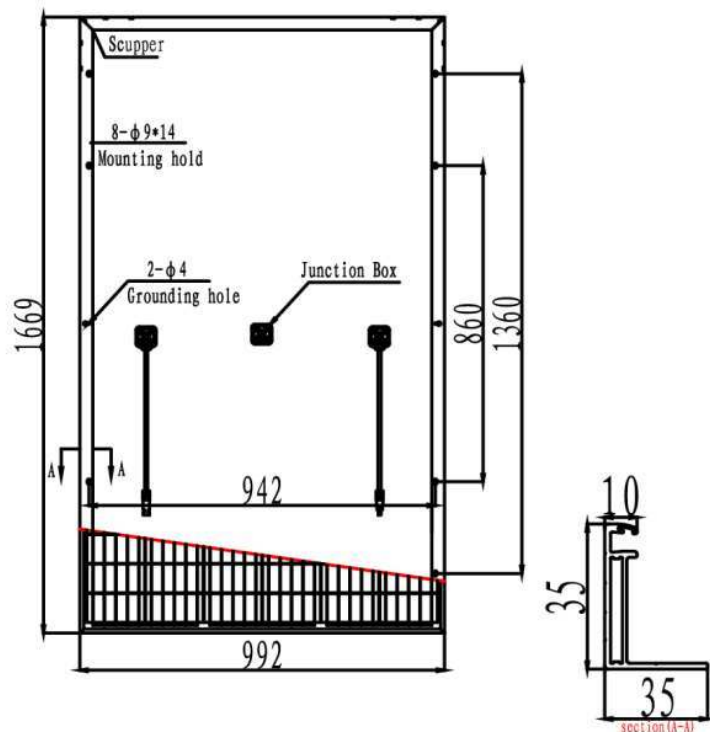
Cell Type	156.75mm*78.40mm
Number of Cells	120 (12 × 10) pcs
Dimension	1669 mm×992 mm×35 mm
Weight	18.9 kg
Front/Glass	3.2 mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Type	4.0mm*450mm
Connector	PV-ZH202B

## Temperature Coefficient

Short-Circuit Current Temperature Coefficient	0.057%/°C
Open-Circuit Voltage Temperature Coefficient	-0.285%/°C
Peak Power Temperature Coefficient	-0.35%/°C

## Packing Information

Packing Type	40'HQ
Piece/Pallet	30
Pallet/Container	26
Piece/Container	780



## Electrical Properties

Module Type	BYD275PHK-30	BYD280PHK-30	BYD285PHK-30	BYD290PHK-30	BYD295PHK-30
Open Circuit Voltage (Voc) (V)	37.60 V±5%	37.85 V±5%	38.10 V±5%	9.34 A±5%	9.40 A±5%
Short Circuit Current (Isc) (A)	9.16 A±5%	9.22 A±5%	9.28 A±5%	8.82 A±5%	8.89 A±5%
MPP Voltage (Vmp)(V)	31.94 V	32.26 V	32.57 V	38.35 V	38.60 V
MPP Current (Imp) (A)	8.61 A	8.68 A	8.75 A	32.88 V	33.18 V
Module Efficiency (%)	16.61%	16.91%	17.21%	17.52%	17.82%
Operating Temperature (°C)	-40°C~85°C				
Maximum System Voltage (V)	1500VDC				
Maximum Series Fuse Rating (A)	15A				
Fire safety	Class C				
Power tolerance	0-5W				

## NOCT

Peak Power(Pmax)	207Wp	210Wp	214Wp	217Wp	221Wp
Open Circuit Voltage(Voc)	35.20 V	35.40 V	35.70 V	35.90 V	36.10 V
Maximum Operating Voltage (Vmp)	29.40 V	29.70 V	30.00V	30.30 V	30.50 V
Short Circuit Current (Isc)	7.40 A	7.45 A	7.50 A	7.55 A	7.60 A
Maximum Operating Current (Imp)	7.02 A	7.07 A	7.12 A	7.18 A	7.23 A

# BYD COMPANY LIMITED.

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