

## 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.





19.0%

Average cell efficiency up to 19.0%  
Excellent optical performance

0-5W

Power tolerance 0-5W  
Power Measurement Tolerance  $\pm 5\%$   
Reliability for output performance

12  
Years

12 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  $Y_m$ : 1.5

Corresponding to maximum snow and ice  
load 5400Pa, maximum wind load 2400Pa

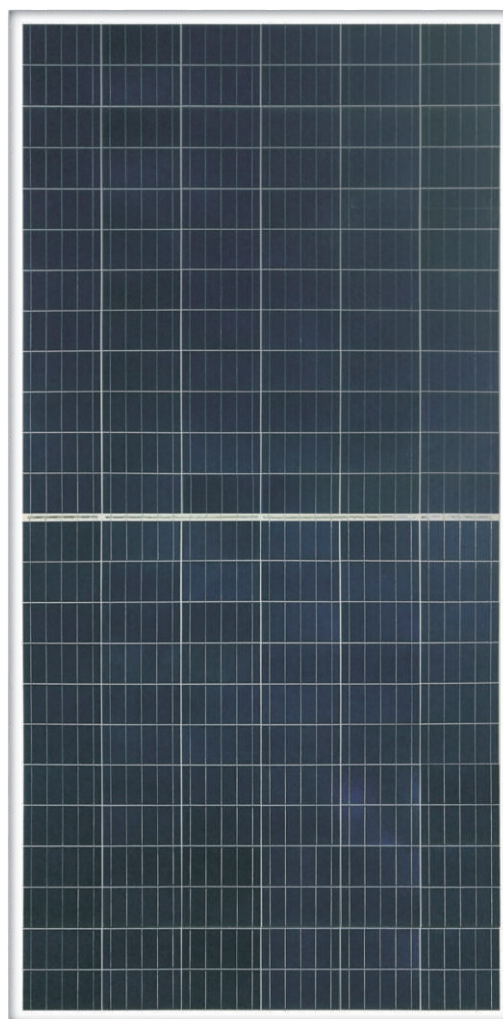
Certification

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

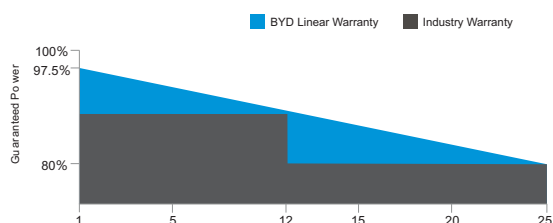
# BYD

## Poly Half Cell Module

### BYD PHK-36-SERIES-5BB 325-345W



BYD PV Module 25 Years Linear Performance Warranty



# BYD PHK-36-SERIES-5BB 325-345W

## Mechanical Properties

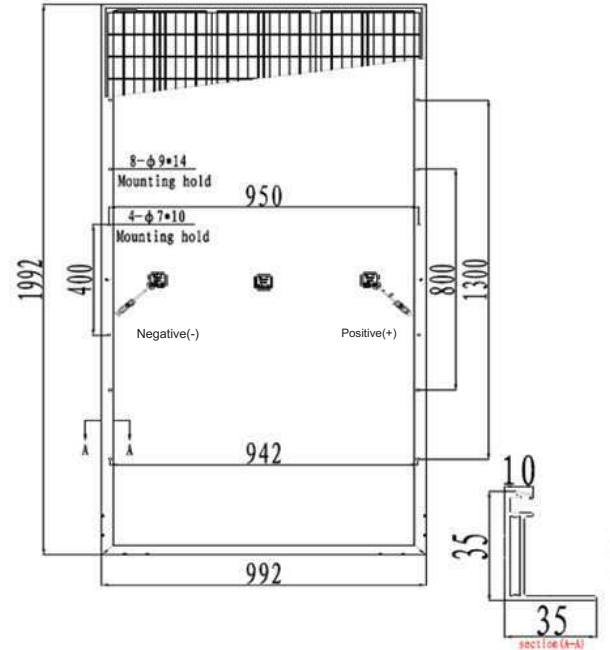
Cell Type	156.75×78.375mm
Number of Cells	144
Dimension of Module	1992 mm×992 mm×35 mm
Weight	22.3 kg ±5%
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Length	+320mm,-260mm(4.0mm <sup>2</sup> )
Connector	Genuine MC4 EVO2

## Temperature Coefficient

Peak Power Temperature Coefficient	-0.349%/°C
Open-Circuit Voltage Temperature Coefficient	-0.285%/°C
Short-Circuit Current Temperature Coefficient	0.057%/°C

## Packing Information

Packing Type	40'HQ
Piece/Pallet	30+35
Pallet/Container	11+11
Piece/Container	715



## Electrical Data (STC\*)

Module Type	BYD325PHK-36	BYD330PHK-36	BYD335PHK-36	BYD340PHK-36	BYD345PHK-36
Rate Maximum Power P <sub>max</sub> (W)	325Wp	330Wp	335Wp	340Wp	345Wp
Open Circuit Voltage (V <sub>oc</sub> ) (V)	44.94 V	45.19 V	45.44 V	45.69 V	45.94 V
Short Circuit Current (I <sub>sc</sub> ) (A)	9.140 A	9.196 A	9.252 A	9.308 A	9.364 A
Maximum Power Voltage (V <sub>mp</sub> )(V)	37.57 V	37.83 V	38.10 V	38.36 V	38.62 V
Maximum Power Current (I <sub>mp</sub> ) (A)	8.654A	8.724 A	8.794A	8.864 A	8.934 A
Module Efficiency (%)	16.45%	16.70%	16.95%	17.21%	17.46%

Standard Test Conditions (STC) : irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## Electrical Data (NMOT\*)

Module Type	BYD325PHK-36	BYD330PHK-36	BYD335PHK-36	BYD340PHK-36	BYD345PHK-36
Rate Maximum Power P <sub>max</sub> (W)	245.4Wp	248.9Wp	252.5Wp	256.0Wp	259.7Wp
Open Circuit Voltage (V <sub>oc</sub> ) (V)	42.3V	42.5V	42.7V	43.0V	43.2V
Short Circuit Current (I <sub>sc</sub> ) (A)	7.38A	7.43A	7.47A	7.52A	7.56A
Maximum Power Voltage (V <sub>mp</sub> )(V)	35.0V	35.3V	35.6V	35.8V	36.2V
Maximum Power Current (I <sub>mp</sub> ) (A)	7.01A	7.06A	7.10A	7.14A	7.18A

Nominal Module Operating Temperature (NMOT) : irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## Operational Parameter

Operating Temperature (°C)	-40°C~85°C
NMOT(Nominal Module operating temperature)	45°C±2°C
Maximum System Voltage (V)	1500(VDC)
Maximun Fuse Current Rating (A)	20A
Fire Safety	Class C
Power Tolerance	0~5W
Power Measurement Tolerance	±5%

## BYD COMPANY LIMITED

ADD: No.1, Yan'an Road, Kuichong,Dapeng New District, Shenzhen, 518116, P.R.China

T +86-755-8988 8888 ext. 64866

@ bydvp@byd.com

e pv.byd.com

Made in China,Vietnam,Cambodia