

## 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.





22.2%

Average cell efficiency up to 22.2%  
Excellent optical performance

0-5W

Power tolerance 0-5W  
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  $\gamma_m$ : 1.5

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

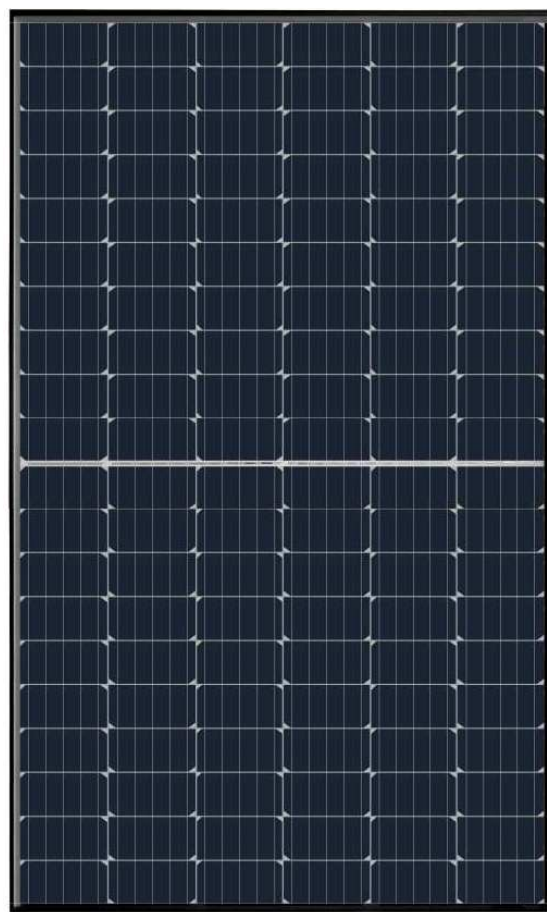
Certification

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

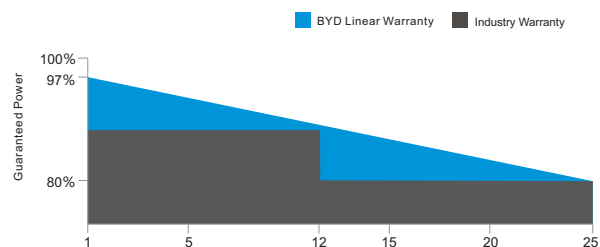
# BYD

## Mono Half Cell Module

### BYD MIK-30-5BB 325W-340W



PV Module 25 Years Linear Performance Warranty



# BYD MIK-30-5BB 325W-340W

## Mechanical Properties

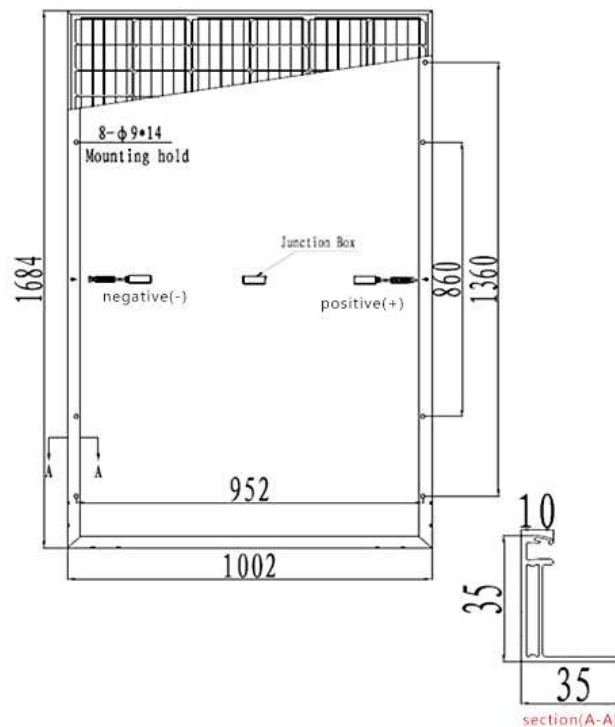
Cell Type	158.75mm*79.375mm
Number of Cells	120
Dimension of Module	1684*1002*35mm
Weight	18.6Kg ±5%
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy(black)
Junction Box	IP67(3 Diodes)
Cable Length	+320mm , -260mm(4.0mm <sup>2</sup> )
Connector	MC4 Compatible

## Temperature Coefficient

Peak Power Temperature Coefficient	-0.328%/°C
Open-Circuit Voltage Temperature Coefficient	-0.254%/°C
Short-Circuit Current Temperature Coefficient	0.041%/°C

## Packing Information

Packing Type	40'HQ
Piece/Pallet	30+35
Pallet/Container	13+13
Piece/Container	845



## Electrical Data (STC\*)

Module Type	BYD325MIK-30	BYD330MIK-30	BYD335MIK-30	BYD340MIK-30
Rate Maximum Power (Pmax)(W)	325Wp	330Wp	335Wp	340Wp
Open Circuit Voltage (Voc) (V)	44.89V	45.17V	45.45 V	45.73 V
Short Circuit Current (Isc) (A)	9.18A	9.27A	9.36 A	9.45A
Maximum Power Voltage (Vmp)(V)	37.46V	37.69V	37.92V	38.15V
Maximum Power Current (Imp) (A)	8.69A	8.76A	8.84A	8.91A
Module Efficiency (%)	19.26%	19.56%	19.85%	20.15%

\* 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	BYD325MIK-30	BYD330MIK-30	BYD335MIK-30	BYD340MIK-30
Rate Maximum Power (Pmax)(W)	247.0Wp	250.6Wp	254.5Wp	258.2Wp
Open Circuit Voltage (Voc) (V)	42.40V	42.70V	43.00V	43.30V
Short Circuit Current (Isc) (A)	7.40A	7.47A	7.54A	7.61A
Maximum Power Voltage (Vmp)(V)	35.10V	35.30V	35.50V	35.70V
Maximum Power Current (Imp) (A)	7.04 A	7.10A	7.17A	7.23A

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
NOCT(Nominal operating cell temperature)	45°C±2°C
Maximum System Voltage (V)	1500 (VDC)
Maximum Fuse Current Rating (A)	20A
Fire Safety	Class C
Power Tolerance	0-5W

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