

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.

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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.

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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 Ym: 1.5



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

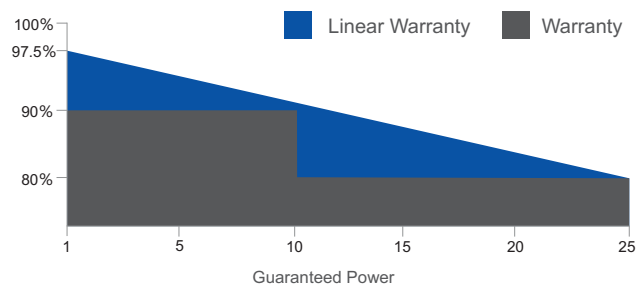
BYD

PV 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

Mechanical Properties

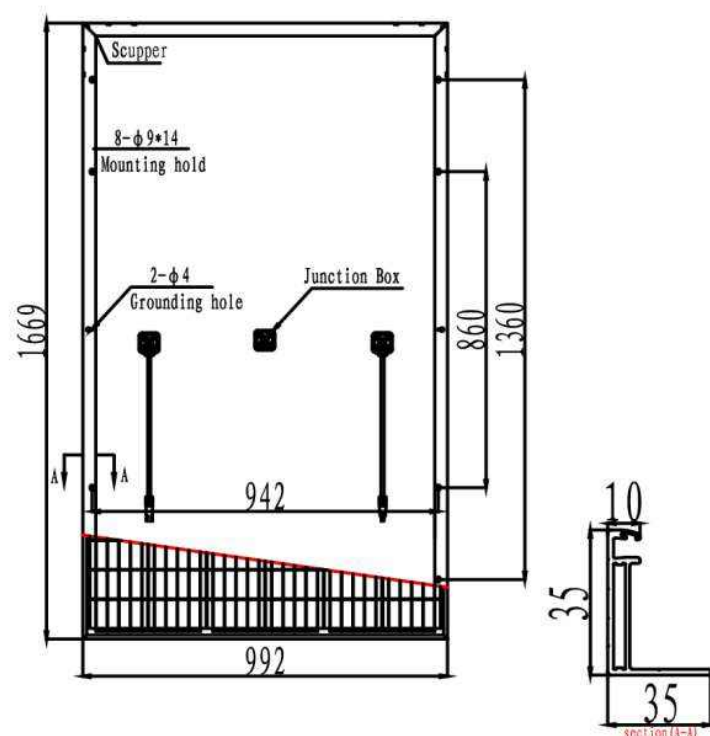
Cell Type	156.75mm*78.40mm
Number of Cells	120 (12 × 10) pcs
Dimension	1669 mm×992 mm×35 mm
Weight	15.8 kg
Front/Glass	2.5 mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Type	4.0mm*450mm
Connector	MC4 Compatible

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
Peak Power(Pmax)	275Wp	280Wp	285Wp	290Wp	295Wp
Open Circuit Voltage (Voc) (V)	37.60 V	37.85 V	38.10 V	38.35V	38.6V
Short Circuit Current (Isc) (A)	9.16 A	9.22 A	9.28 A	9.34 A	9.40A
MPP Voltage (Vmp)(V)	31.94 V	32.26 V	32.57 V	32.88 V	33.18 V
MPP Current (Imp) (A)	8.61 A	8.68 A	8.75 A	8.82A	8.89A
Module Efficiency (%)	16.61%	16.91%	17.21%	17.52%	17.82%
Operating Temperature (°C)	-40°C~85°C				
Maximum System Voltage (V)	1500VDC				
Maximun Series Fuse Rating (A)	15A				
Fire safety	Class C				
Power tolerance	0-5W				

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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
Short Circuit Current (Isc)	7.40 A	7.45 A	7.50 A	7.55 A	7.60 A
Maximum Operating Voltage (Vmp)	29.40 V	29.70 V	30.00V	30.30 V	30.50 V
Maximum Operating Current (Imp)	7.02 A	7.07 A	7.12 A	7.18 A	7.23 A

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