

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.





21.8%

Average cell efficiency up to 21.8%
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

3rd

Design loads: 3600 Pa for positive
(downward) and 1600 Pa for
negative (upward)
Safety factors γ_m : 1.5

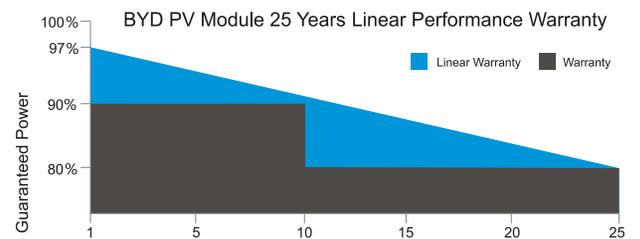
Certification

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

BYD

Monocrystal Silicone Modules

BYD M6K-30-5BB 285W-310W



BYD M6K-30-5BB 285W-320W

The country of manufacture is China

Mechanical Properties

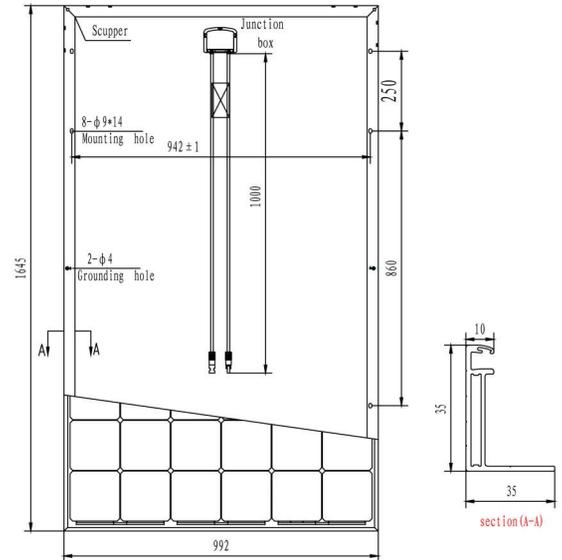
Cell Type	156.75mm*156.75mm
Number of Cells	60pcs (6*10)
Dimension	1645mm*992mm*35mm
Weight	18.7Kg
Front/Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Type	4.0mm ² 1000mm
Connector	PV-ZH202B

Temperature Coefficient

Temp. Coeff. of Pmax (TK Pmax)	-0.343%/°C
Temp. Coeff. of Voc (TK Voc)	-0.257%/°C
Temp. Coeff. of Isc (TK Isc)	0.04%/°C

Packing Information

Packing Type	40' HQ
Piece/Pallet	30
Pallet/Container	28
Piece/Container	840



Electrical Properties

Module Type	BYD285M6K-30	BYD290M6K-30	BYD295M6K-30	BYD300M6K-30	BYD305M6K-30	BYD310M6K-30	BYD315M6K-30	BYD320M6K-30
Open Circuit Voltage (Voc) (V)	38.66 V±5%	38.76 V±5%	38.85 V±5%	38.95 V±5%	39.04 V±5%	39.14 V±5%	39.23 V±5%	39.33 V±5%
Short Circuit Current (Isc) (A)	9.54 A±5%	9.60 A±5%	9.67 A±5%	9.73 A±5%	9.80 A±5%	9.87 A±5%	9.94 A±5%	10.00 A±5%
MPP Voltage (Vmp)(V)	32.06 V	32.26 V	32.46 V	32.66 V	32.86 V	33.06 V	33.26 V	33.46 V
MPP Current (Imp) (A)	8.92 A	9.01 A	9.10 A	9.20 A	9.29 A	9.39 A	9.48 A	9.57 A
Module Efficiency (%)	17.46%	17.77%	18.08%	18.38%	18.69%	19.00%	19.30%	19.61%
Operating Temperature (°C)	-40°C~+85°C							
Maximum System Voltage (V)	1500 (VDC)							
Maximum Series Fuse Rating (A)	15 A							
Fire safety	Class C							
Power tolerance	0-5W							

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

NOCT

Peak Power(Pmax)	211Wp	215Wp	218Wp	222Wp	226Wp	229Wp	233Wp	236Wp
Open Circuit Voltage (Voc) (V)	35.8 V	35.9 V	36 V	36.1 V	36.1 V	36.2 V	36.3 V	36.3 V
Short Circuit Current (Isc) (A)	7.72 A	7.77 A	7.82 A	7.87 A	7.93 A	7.99 A	8.05 A	8.09 A
MPP Voltage (Vmp)(V)	29.2 V	29.4 V	29.6 V	29.9 V	30.1 V	30.2 V	30.5 V	30.7 V
MPP Current (Imp) (A)	7.21 A	7.29 A	7.37 A	7.44 A	7.51 A	7.57 A	7.64 A	7.69 A

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