BYD P6D-30 Series-4BB-156.75P

250W 255W 260W 265W 270W 275W 280W



BYD 430 PV Game Changer

4 - Longer service time up to 40 years.

3 - The minimal annual power degradation could reach 0.3%

0 - PID free & snail cracks free.

2nd General BYD Double Glass Module

More Profitable
- The minimal annual power degradation could reach 0.3%
- Higher return on investment
- Longer service time up to 40 years
- Easier installation design
- Higher system voltage
- Lower balance of system cost

More Durable
- Unique design and material to minimize micro-cracks
- Longer service time up to 40 years

More Efficient
- No UV cut off
- Higher power output

More Reliable
- PID free & snail cracks free.
- Stable encapsulating material

18.3% Average cell efficiency up to 18.3%
Excellent optical performance

0~5w Positive tolerance 0~5W
Reliability for output performance

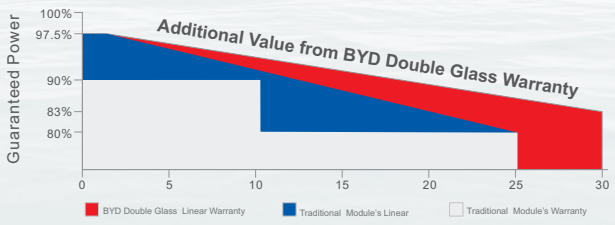
12 Years 12 years for product
30 years linear Warranty

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

3rd TUV 5400Pa for Snow Load Test
TUV 2400Pa for Wind Load Test
CSA Mechanical Load=1.5*3600Pa=5400 Pa

Certification IEC 61215(Edition 2005), IEC 61730, UL1703,
ISO9001:2008, ISO14001:2004

BYD Double Glass Linear Performance Warranty



Production Process


Wafer Production


Cell Production


Module Production


Module

About BYD

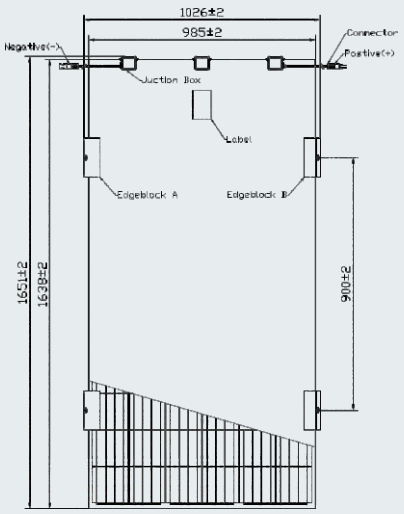
BYD (HK:1211), one of the world's top PV manufacturers, produces from wafer to module, committing to high quality sustainable products and continuous improvement. Integrating with Electrical Vehicles and Battery Energy Storage technology makes BYD the world-leading solution provider from energy generating to consumption and storage.

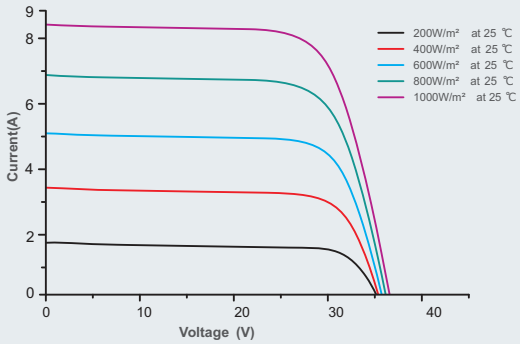
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BYD P6D-30 Series-4BB-156.75P

Build Your Dreams

250W 255W 260W 265W 270W 275W 280W





Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156.75 mm * 156.75 mm / 6.2 inch
No. of Cells	60 (6 *10) pcs
Dimension of Module	1638 mm*985 mm*7.5 mm / 64.5 inch*38.8 inch*0.3 inch
Weight	27.7 kg / 61.1 lbs
Front Glass	3.2 mm tempered glass with AR Coating
Junction Box	ZH-011B-5, TS03-13, TS03-13B
Plug Connector	IP67
Bypass-Diodes	3 pcs
Type of Connector	PV-ZH202, TL-CABLE01S, TS01
Cable Section Area	4 mm² / 0.0062 Sq in
Cable Length	2 * 400 mm / 2 * 15.7 inch

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	43℃ ± 2℃
Short-Circuit Current Temperature Coefficient	0.066%/℃
Open-Circuit Voltage Temperature Coefficient	-0.30%/℃
Peak Power Temperature Coefficient	-0.37%/℃

Package Information

Package	40' HC
Pcs / Pallet	31
Pallet / Container	24
Pcs / Container	744

BYD P6D-30 Series Electrical Specification

STC

Item \ Module	BYD 250P6D-30	BYD 255P6D-30	BYD 260P6D-30	BYD 265P6D-30	BYD 270P6D-30	BYD 275P6D-30	BYD 280P6D-30
Open Circuit Voltage (Voc)	37.76 V	38.07 V	38.38 V	38.69 V	39.00 V	39.31 V	39.62 V
Maximum Operating Voltage (Vmp)	30.13 V	30.40 V	30.67 V	30.92 V	31.18 V	31.43 V	31.68 V
Short Circuit Current (Isc)	8.81 A	8.89 A	8.97 A	9.05 A	9.13 A	9.21 A	9.29 A
Maximum Operating Current (Imp)	8.30 A	8.39 A	8.48 A	8.57 A	8.66 A	8.75 A	8.84 A
Maximum Power in STC (Pmax)	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Module Efficiency	15.5%	15.8%	16.1%	16.4%	16.7%	17.0%	17.4%
Operating Temperature	-40℃~85℃						
Max. Fuse Current Rating	15 A						
Maximum System Voltage	1000VDC/1500VDC						
Power Tolerance	0~5 W						
Application Classes	Class A						

STC: IRRADIANCE 1000W/m², Module Temperature 25℃, AM=1.5 Ave. efficiency reduction of 4% at 200W/m²

NOCT

Item \ Module	BYD 250P6D-30	BYD 255P6D-30	BYD 260P6D-30	BYD 265P6D-30	BYD 270P6D-30	BYD 275P6D-30	BYD 280P6D-30
Open Circuit Voltage (Voc)	35.2 V	35.5 V	35.8 V	36.1 V	36.4 V	36.7 V	37.0 V
Maximum Operating Voltage (Vmp)	28.2 V	28.5 V	28.8 V	29.0 V	29.3 V	29.6 V	29.9 V
Short Circuit Current (Isc)	7.13 A	7.20 A	7.26 A	7.33 A	7.39 A	7.45 A	7.52 A
Maximum Operating Current (Imp)	6.63 A	6.70 A	6.77 A	6.83 A	6.90 A	6.96 A	7.02 A
Maximum Power in NOCT (Pmax)	186.9Wp	190.9Wp	194.7Wp	198.4Wp	202.3Wp	206.1Wp	209.9Wp

NOCT: open-circuit module operation temperature at 800W/m2 irradiance, 20°C ambient temperature, 1m/s wind speed.