

P6D-30-SERIES-4BB



156.75P



BYD 430 PV Game Changer

- 4 - Longer service time, up to 40 years.
- 3 - The minimal annual power degradation can reach 0.3%.
- 0 - PID free & snail cracks free.

2nd General BYD Double Glass Module



More Profitable

- The minimal annual power degradation can 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
- EVA FREE

18.6% Average cell efficiency up to 18.6%
Excellent optical performance

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

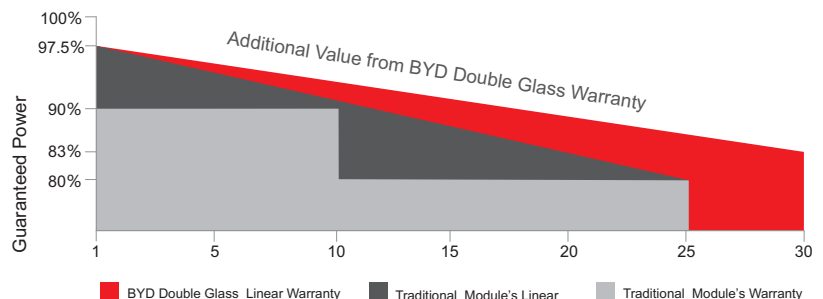
12 Years 12 years for product
30 years linear Warranty

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



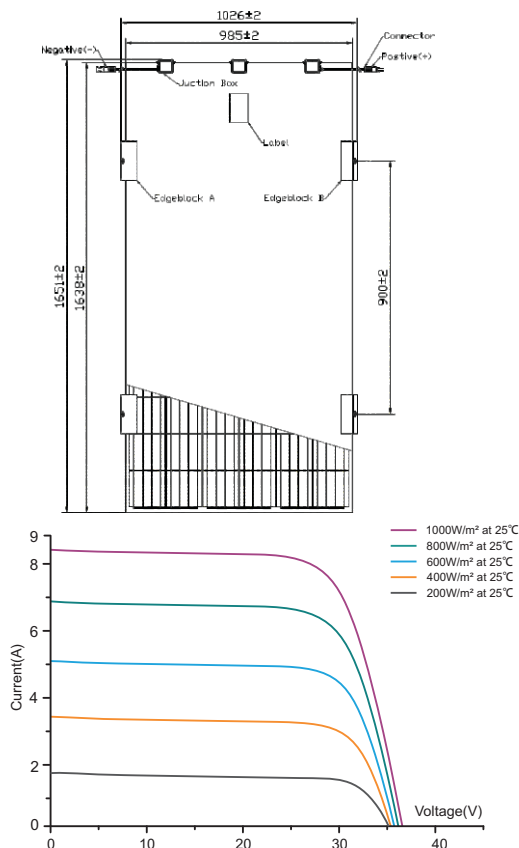
ABOUT BYD

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.

P6D-30-SERIES-4BB

250-280W

156.75P



MECHANICAL SPECIFICATIONS

| | |
|---------------------|--|
| Cell | Poly-crystalline 156.75×156.75mm / 6.2 inch |
| No. of Cells | 60 (6×10) pcs |
| Dimension of Module | 1638mm×985mm×7.5mm / 64.7inch×38.8inch×0.3inch |
| Weight | 27.7kg / 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 mm ² / 0.0062 Sq in |
| Cable Length | 2×400 mm / 2×15.7 inch |

TEMPERATURE COEFFICIENTS

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

PACKAGE INFORMATION

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

STC

| Module Type | 250P6D-30 | 255P6D-30 | 260P6D-30 | 265P6D-30 | 270P6D-30 | 275P6D-30 | 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 | 30.93 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°C~85°C | | | | | | |
| Max.Fuse Current Rating | 15 A | | | | | | |
| Maximum System Voltage | 1500VDC | | | | | | |
| Power Tolerance | 0~5 W | | | | | | |
| Application Classes | Class A | | | | | | |

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

NOCT

| Module Type | 250P6D-30 | 255P6D-30 | 260P6D-30 | 265P6D-30 | 270P6D-30 | 275P6D-30 | 280P6D-30 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Open Circuit Voltage (Voc) | 35.20 V | 35.50 V | 35.80 V | 36.10 V | 36.40 V | 36.70 V | 37.00 V |
| Maximum Operating Voltage (Vmp) | 28.20 V | 28.50 V | 28.80 V | 29.00 V | 29.30 V | 29.60 V | 29.90 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 STC (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.



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