



# BYD P6C-36 Series-3BB

295W 300W 305W 310W



**17.8%** Average cell efficiency up to 17.8%  
Excellent optical performance

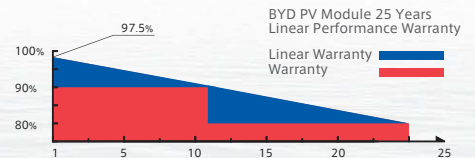
**0~5w** Positive tolerance 0~5W  
Reliability for output performance

**12 Years** 12 years for product  
25 years linear Warranty

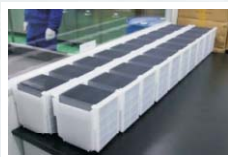
**Grid** Residential roof top systems  
On/Off-grid commercial systems  
On/Off-grid utility systems

**3rd** TUV Salt corrosion resistance test  
TUV Ammonia corrosion resistance test  
5400Pa for Snow Load Test  
5400Pa for Wind Load Test

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



## Production Process



Wafer Production



Cell Production



Module Production

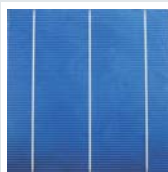


Module

## 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.

## New Technology



### NES

A high technology that is widely used in BYD photovoltaic products, increasing the average cell efficiency up to 17.8%

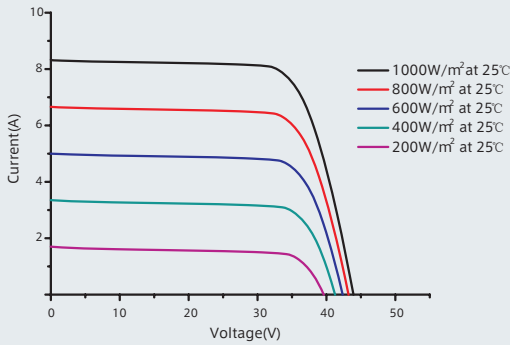
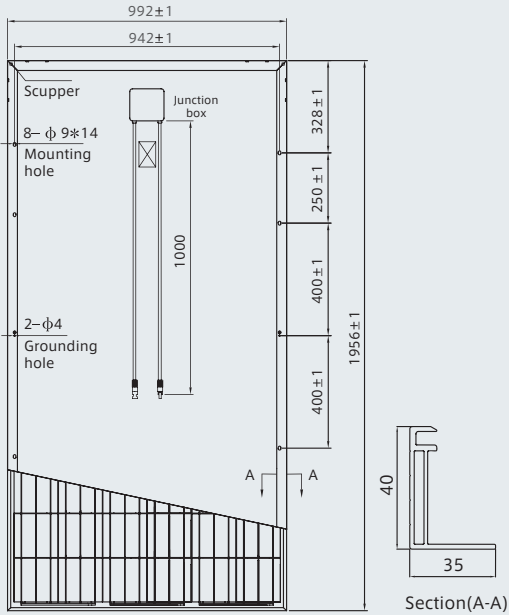
### BYD COMPANY LIMITED Headquarter

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# BYD P6C-36 Series-3BB

Build Your Dreams

295W 300W 305W 310W



## Mechanical Specifications

|                     |  |
|---------------------|--|
| Cell                | Polycrystalline Silicon solar cells<br>156mm * 156 mm / 6 inch |
| No. of Cells        | 72 (6 * 12) pcses  |
| Dimension of Module | 1956 mm * 992 mm * 40 mm<br>/ 77.0 inch * 39.1 inch * 1.6 inch |
| Weight              | 22.4kg / 49.38 lbs   |
| Front Glass         | 3.2 mm tempered glass with ARC                                 |
| Frame               | Anodized aluminum alloy  |
| Junction Box        | IP65   |
| Plug Connector      | IP67   |
| Bypass-Diodes       | 6 pcses / 3 pcses  |
| Type of Connector   | MC4 or MC4-compatible  |
| Cable Section Area  | 4 mm <sup>2</sup> / 0.0062 Sq in                               |
| Cable Length        | 2 * 1000 mm / 2 * 39.4 inch                                    |

## Temperature Coefficients

|   |            |
|---|------------|
| Nominal Operating Cell Temperature (NOCT)     | 45°C ± 2°C |
| Short-Circuit Current Temperature Coefficient | 0.059%/°C  |
| Open-Circuit Voltage Temperature Coefficient  | -0.32%/°C  |
| Peak Power Temperature Coefficient            | -0.43%/°C  |

## Package Information

|                    |        |
|--------------------|--------|
| Package            | 40' HC |
| Pcs / Pallet       | 25     |
| Pallet / Container | 22     |
| Pcs / Container    | 550    |

## BYD P6C-36 Series Electrical Specification

| STC                             |        | BYD 295P6C-36                | BYD 300P6C-36 | BYD 305P6C-36 | BYD 310P6C-36 |
|---------------------------------|--------|------------------------------|---------------|---------------|---------------|
| Item                            | Module | BYD 295P6C-36                | BYD 300P6C-36 | BYD 305P6C-36 | BYD 310P6C-36 |
| Open Circuit Voltage (Voc)      |        | 44.90 V                      | 45.19V        | 45.49V        | 45.79 V       |
| Maximum Operating Voltage (Vmp) |        | 35.76 V                      | 35.97 V       | 36.18 V       | 36.38 V       |
| Short Circuit Current (Isc)     |        | 8.75 A                       | 8.83 A        | 8.91 A        | 8.99 A        |
| Maximum Operating Current (Imp) |        | 8.25 A                       | 8.34 A        | 8.43A         | 8.52 A        |
| Maximum Power in STC (Pmax)     |        | 295 Wp                       | 300 Wp        | 305 Wp        | 310 Wp        |
| Module Efficiency               |        | 15.20%                       | 15.46%        | 15.72%        | 15.98%        |
| Operating Temperature           |        | -40°C ~ 85°C                 |               |               |               |
| Max. Fuse Current Rating        |        | 15 A                         |               |               |               |
| Maximum System Voltage          |        | 1000 VDC(IEC) / 600 VDC (UL) |               |               |               |
| Power Tolerance                 |        | 0~5W                         |               |               |               |
| Application Classes             |        | Class A                      |               |               |               |

STC: IRRADIANCE 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5

Ave. efficiency reduction of 4.5% at 200W/m<sup>2</sup>

| NOCT                            |        | BYD 295P6C-36 | BYD 300P6C-36 | BYD 305P6C-36 | BYD 310P6C-36 |
|---------------------------------|--------|---------------|---------------|---------------|---------------|
| Item                            | Module | BYD 295P6C-36 | BYD 300P6C-36 | BYD 305P6C-36 | BYD 310P6C-36 |
| Open Circuit Voltage (Voc)      |        | 41.33 V       | 41.62 V       | 41.89 V       | 42.23 V       |
| Maximum Operating Voltage (Vmp) |        | 32.79 V       | 32.97V        | 33.20V        | 33.50 V       |
| Short Circuit Current (Isc)     |        | 7.10 A        | 7.14 A        | 7.18 A        | 7.24 A        |
| Maximum Operating Current (Imp) |        | 6.51 A        | 6.57 A        | 6.61 A        | 6.66 A        |
| Maximum Power in NOCT (Pmax)    |        | 213.6 Wp      | 216.6 Wp      | 219.5 Wp      | 223.1 Wp      |

NOCT: open-circuit module operation temperature at 800W/m<sup>2</sup> irradiance, 20° C ambient temperature, 1m/s wind speed.