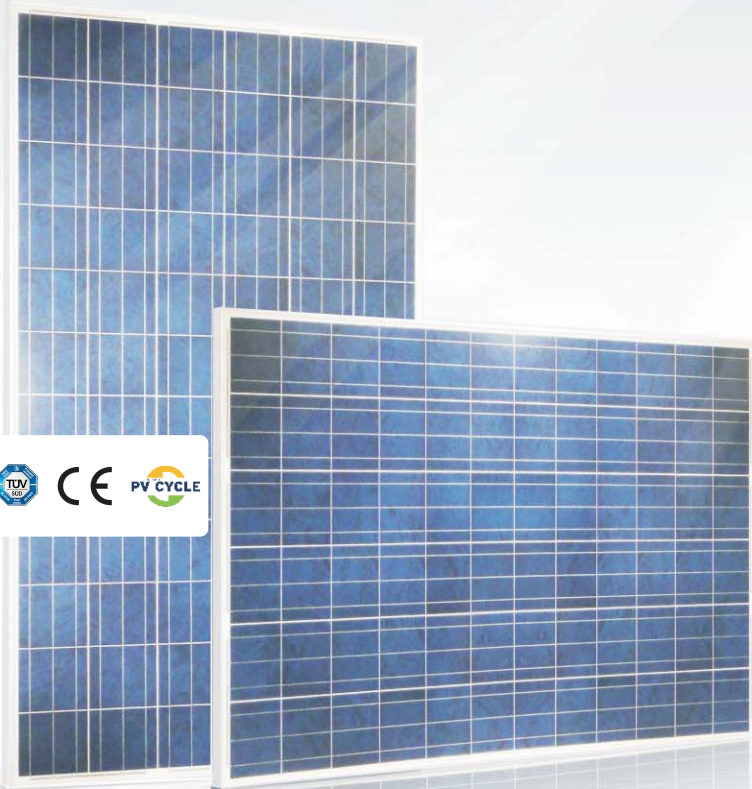




# BYD P6C-36 Series-3BB

285W 290W 295W 300W 305W



Average cell efficiency up to 17.6%  
Excellent optical performance



Positive tolerance 0~5W  
Reliability for output performance



12 years for product  
25 years linear Warranty



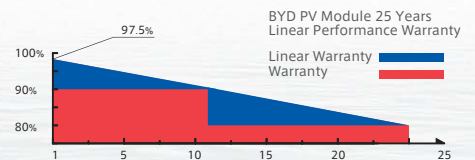
Residential roof top systems  
On/Off-grid commercial systems  
On/Off-grid utility systems



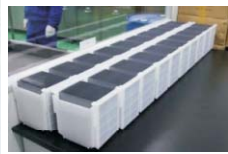
TUV Salt corrosion resistance test  
TUV Ammonia corrosion resistance test  
5400Pa for Snow Load Test  
2400Pa for Wind Load Test



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 17.6%

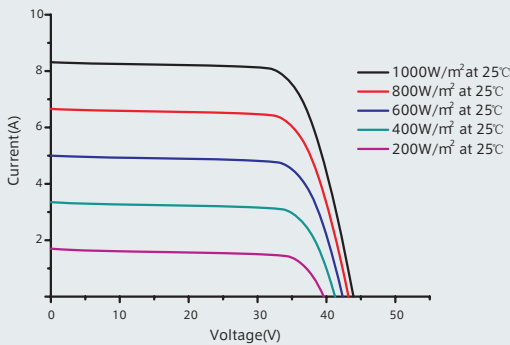
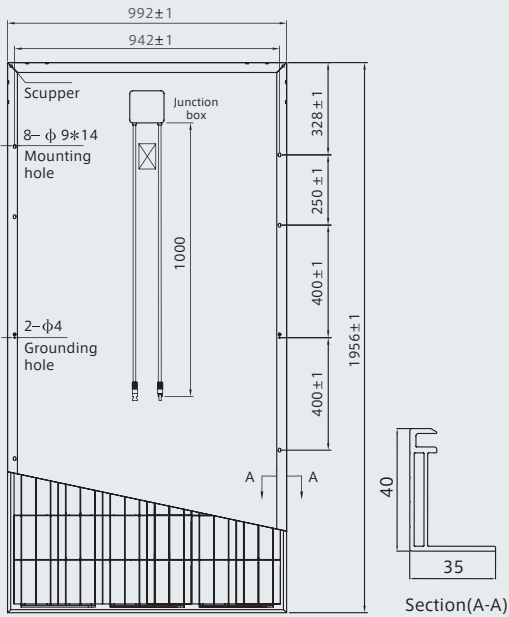
### BYD COMPANY LIMITED Headquarter

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Http://www.byd.com.cn

# BYD P6C-36 Series-3BB

Build Your Dreams

285W 290W 295W 300W 305W



## Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch
No. of Cells	72 (6 * 12) pcses
Dimension of Module	1956 mm * 992 mm * 40 mm / 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

Item	Module	BYD 285P6C-36	BYD 290P6C-36	BYD 295P6C-36	BYD 300P6C-36	BYD 305P6C-36
Open Circuit Voltage (Voc)		44.30 V	44.60 V	44.90 V	45.19V	45.49V
Maximum Operating Voltage (Vmp)		35.40 V	35.65 V	35.76 V	35.97 V	36.18 V
Short Circuit Current (Isc)		8.60 A	8.67 A	8.75 A	8.83 A	8.91 A
Maximum Operating Current (Imp)		8.07 A	8.16 A	8.25 A	8.34 A	8.43A
Maximum Power in STC (Pmax)		285 Wp	290 Wp	295 Wp	300 Wp	305 Wp
Module Efficiency		14.69%	14.95%	15.20%	15.46%	15.72%
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

Item	Module	BYD 285P6C-36	BYD 290P6C-36	BYD 295P6C-36	BYD 300P6C-36	BYD 305P6C-36
Open Circuit Voltage (Voc)		40.75 V	41.04	41.33 V	41.62 V	41.89 V
Maximum Operating Voltage (Vmp)		32.25 V	32.50 V	32.79 V	32.97V	33.20V
Short Circuit Current (Isc)		6.96 A	7.06 A	7.10 A	7.14 A	7.18 A
Maximum Operating Current (Imp)		6.42 A	6.48 A	6.51 A	6.57 A	6.61 A
Maximum Power in NOCT (Pmax)		207.1 Wp	210.7 Wp	213.6 Wp	216.6 Wp	219.5 Wp

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