



BYD P6C-36 Series-3BB

300W 305W 310W 315W 320W



Average cell efficiency up to 17.8%
Excellent optical performance



Positive tolerance 0-5W
Reliability for output performance



12 years for product
25 years linear Warranty



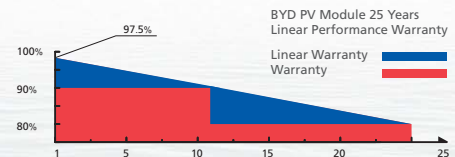
Residential roof top systems
On/Off-grid commercial systems
On/Off-grid utility systems



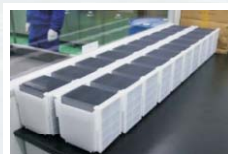
TUV Salt corrosion resistance test
TUV Ammonia corrosion resistance test
5400Pa for Snow Load Test
5400Pa for Wind Load Test



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



Production Process



Wafer Production



Cell Production



Module Production

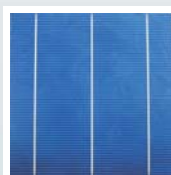


Module

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 17.8%

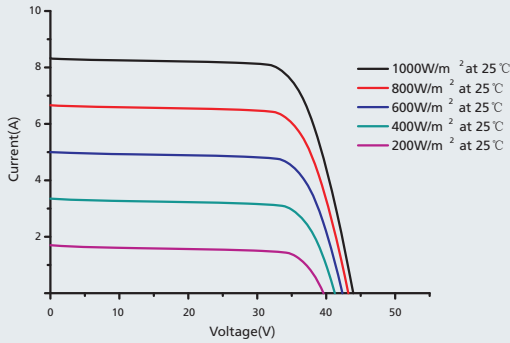
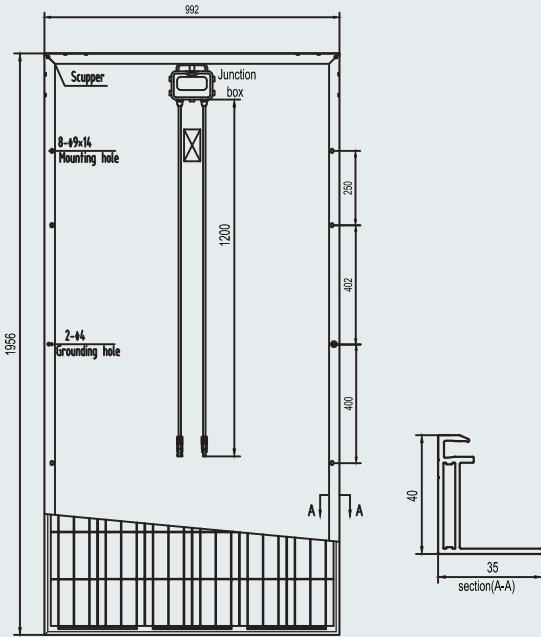
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Build Your Dreams

300W 305W 310W 315W 320W



Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch
No. of Cells	72 (6 *12) pcs
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	3 pcs
Type of Connector	MC4 or MC4-compatible
Cable Section Area	4 mm ² / 0.0062 Sq in
Cable Length	2 * 1200 mm / 2 * 47.2 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	-0.40%/°C

Package Information

Package	40' HC
Pcs / Pallet	26
Pallet / Container	22
Pcs / Container	572

BYD P6C-36 Series Electrical Specification

STC

Item	Module	BYD 300P6C-36	BYD 305P6C-36	BYD 310P6C-36	BYD 315P6C-36	BYD 320P6C-36
Open Circuit Voltage (Voc)		45.19 V	45.49V	45.79V	46.09 V	46.39 V
Maximum Operating Voltage (Vmp)		35.97 V	36.18 V	36.38 V	36.58 V	36.78 V
Short Circuit Current (Isc)		8.83 A	8.91 A	8.99 A	9.07 A	9.15 A
Maximum Operating Current (Imp)		8.34 A	8.43 A	8.52A	8.61 A	8.7 A
Maximum Power in STC (Pmax)		300 Wp	305 Wp	310 Wp	315 Wp	320 Wp
Module Efficiency		15.5%	15.7%	16.0%	16.2%	16.5%
Operating Temperature		-40°C~85°C				
Max. Fuse Current Rating		15 A				
Maximum System Voltage		1000 VDC				
Power Tolerance		0~5W				
Application Classes		Class A				

STC: IRRADIANCE 1000W/m². Module Temperature 25°C. AM=1.5

Ave. efficiency reduction of 4.5% at 200W/m²

NOCT

Item	Module	BYD 300P6C-36	BYD 305P6C-36	BYD 310P6C-36	BYD 315P6C-36	BYD 320P6C-36
Open Circuit Voltage (Voc)		41.7 V	42 V	42.3 V	42.6 V	42.9 V
Maximum Operating Voltage (Vmp)		33.3 V	33.5V	33.7V	34 V	34.2 V
Short Circuit Current (Isc)		7.15 A	7.21 A	7.28 A	7.34 A	7.4 A
Maximum Operating Current (Imp)		6.68 A	6.77 A	6.83 A	6.89 A	6.95A
Maximum Power in NOCT (Pmax)		222.2 Wp	226.7 Wp	230.3 Wp	234.1 Wp	237.5 Wp

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