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Solar Panel Guide Specification Data Sheet

**BYD Company Limited
BYD P6C-24 Series-3BB
BYD 185P6C-24**

Also available on the web at
EnergyPal.com/byd-company-limited-solar-panels/byd-185p6c-24

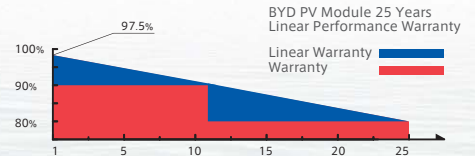


BYD P6C-24 Series-3BB

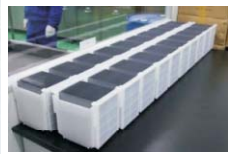
185W 190W 195W 200W 205W



- 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%

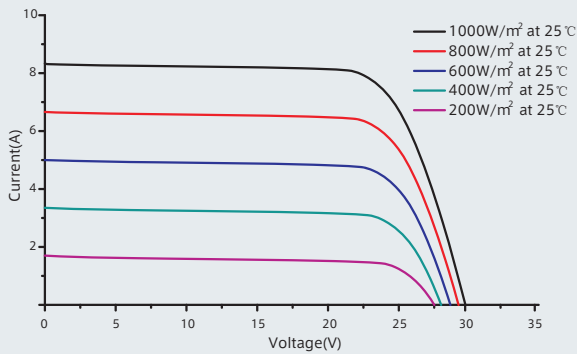
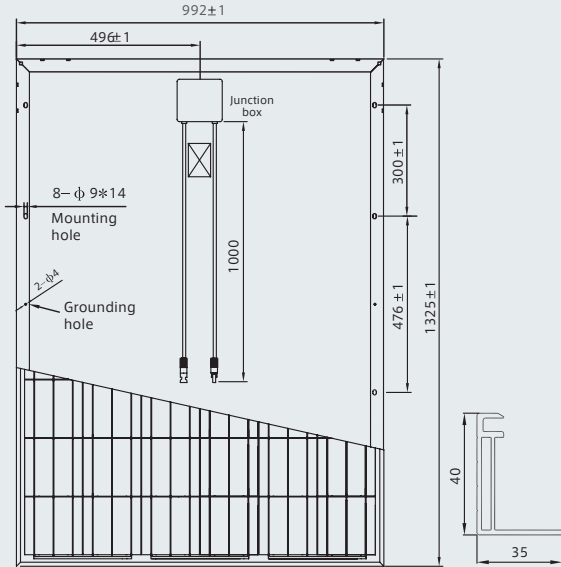
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BYD P6C-24 Series-3BB

Build Your Dreams

185W 190W 195W 200W 205W



Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch
No. of Cells	48 (6 * 8) pcses
Dimension of Module	1325 mm * 992 mm * 40 mm / 52.2 inch * 39.1 inch * 1.6 inch
Weight	16.9 kg / 37.26 lbs
Front Glass	3.2 mm tempered glass with AR Coating
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 mm² / 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	32
Pcs / Container	800

BYD P6C-24 Series Electrical Specification

STC

Item	Module	BYD 185P6C-24	BYD 190P6C-24	BYD 195P6C-24	BYD 200P6C-24	BYD 205P6C-24
Open Circuit Voltage (Voc)		29.03 V	29.33 V	29.63 V	29.93 V	30.23 V
Maximum Operating Voltage (Vmp)		23.11 V	23.47 V	23.82 V	24.17 V	24.50 V
Short Circuit Current (Isc)		8.58 A	8.66 A	8.74 A	8.82 A	8.90 A
Maximum Operating Current (Imp)		8.01 A	8.10 A	8.19 A	8.28 A	8.37 A
Maximum Power in STC (Pmax)		185 Wp	190 Wp	195 Wp	200 Wp	205 Wp
Module Efficiency		14.07%	14.46%	14.84%	15.22%	15.60%
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/m², Module Temperature 25°C, AM=1.5 Ave. efficiency reduction of 4.5% at 200W/m²

NOCT

Item	Module	BYD 185P6C-24	BYD 190P6C-24	BYD 195P6C-24	BYD 200P6C-24	BYD 205P6C-24
Open Circuit Voltage (Voc)		26.59 V	26.89 V	27.00 V	27.20 V	27.50 V
Maximum Operating Voltage (Vmp)		21.05 V	21.40 V	21.60 V	21.90 V	22.20 V
Short Circuit Current (Isc)		7.02 A	7.12 A	7.14 A	7.18 A	7.22 A
Maximum Operating Current (Imp)		6.39 A	6.45 A	6.51 A	6.59 A	6.65 A
Maximum Power in NOCT (Pmax)		134.5 Wp	138.0 Wp	141.1 Wp	144.8 Wp	148.4 Wp

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