

BYD P6-30 Series-3BB

230W 235W 240W 245W

17.4% Average cell efficiency up to 17.4%
Excellent optical performance



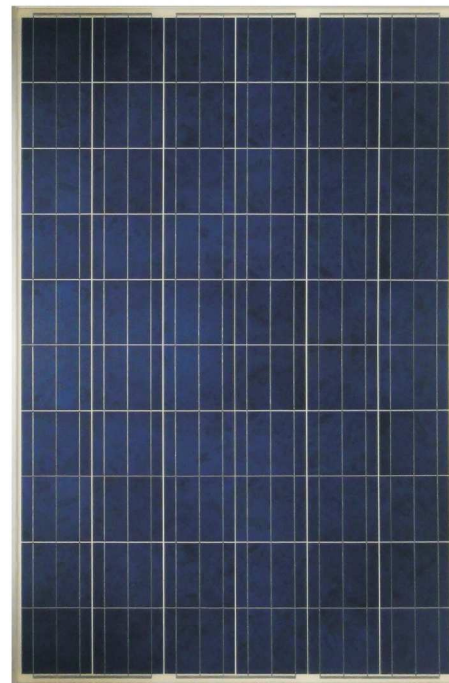
0~5w Positive tolerance 0~5W
Reliability for output performance

12 Years 12 years for product
25 year 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
2400Pa for Wind Load Test

Certification IEC 61215, IEC 61730, UL1703,
ISO9001:2008, ISO14001:2004



Production Process



Wafer Production



Cell Production



Module Production



Module

About BYD

BYD (HK:1211), one of the world's largest 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 make BYD the world-leading solution provider from energy generating to consumption and storage.

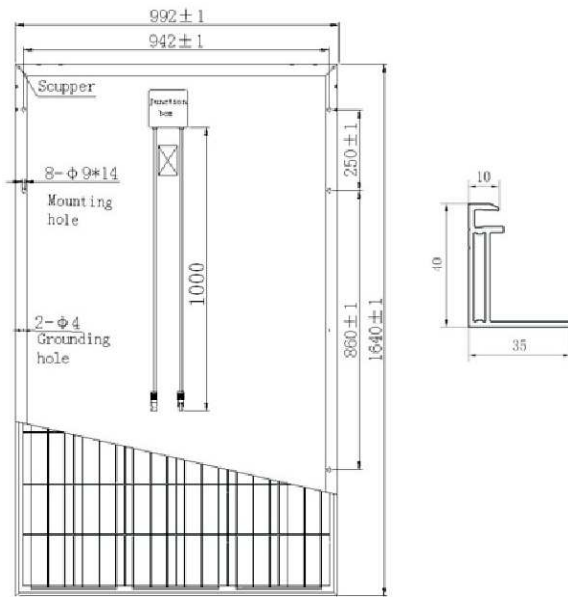
New Technology

NES

A high technology that widely used in BYD photovoltaic products, increasing the average cell efficiency up to 17.4%

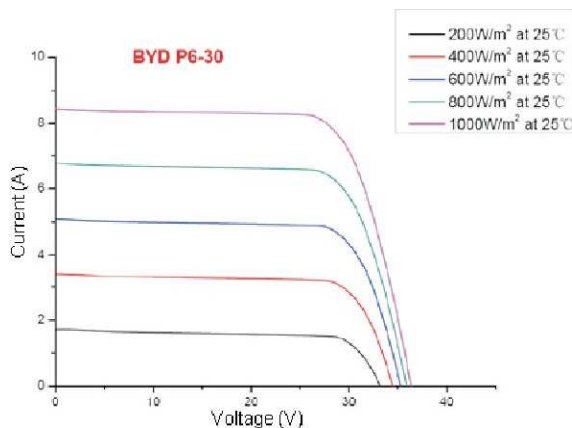


BYD(Shanghai) Industrail Co., Ltd.
No.999 Xiangjing Road,Songjiang,Shanghai,201611,P.R.China
Tel: +86-755-8988 8888 ext.53959
Website: www.bydenergy.com
Email: bydenergy@byd.com



Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch
No. of Cells	60 (6*10) pcs
Dimension of Module	1640 mm * 992 mm * 40 mm / 64.6 inch * 39.1 inch * 1.6 inch
Weight	19kg / 41.89 lbs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP65
Plug Connector	IP67
Bypass-Diodes	6 pcs. (IEC) / 3 pcs. (UL)
Max. Fuse Current Rating	15 A
Type of Connector	MC4, 0-1394462-4/6-1394461-2
Cable Section Area	4 mm ² / 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	28
Pcs / Container	700

BYD P6-30 Series Electrical Specification

Module	BYD 230P6-30	BYD 235P6-30	BYD 240P6-30	BYD 245P6-30
Item				
Open Circuit Voltage (Voc)	36.65 V	37.00 V	37.30 V	37.61 V
Maximum Operating Voltage (Vmp)	29.01 V	29.34 V	29.64 V	29.92 V
Short Circuit Current (Isc)	8.40 A	8.48 A	8.57 A	8.66 A
Maximum Operating Current (Imp)	7.93 A	8.01 A	8.10 A	8.19 A
Maximum Power in STC (Pmax)	230 Wp	235 Wp	240 Wp	245 Wp
Module Efficiency	14.14%	14.44%	14.75%	15.06%
Operating Temperature	-40°C~85°C			
Maximum System Voltage	1000 VDC(IEC) / 600 VDC (UL)			
Power Tolerance	0~5W			

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

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