

BYD P6C-18 Series-3BB

130W 135W 140W 145W



Average cell efficiency up to 17.4%
Excellent optical performance



Positive tolerance 0~5W
Reliability for output performance



12 years for product
25 year linear Warranty



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



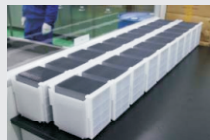
TUV Salt corrosion resistance test
TUV Ammonia corrosion resistance test
5400Pa for Snow Load Test
2400Pa for Wind Load Test



IEC 61215, 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 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.

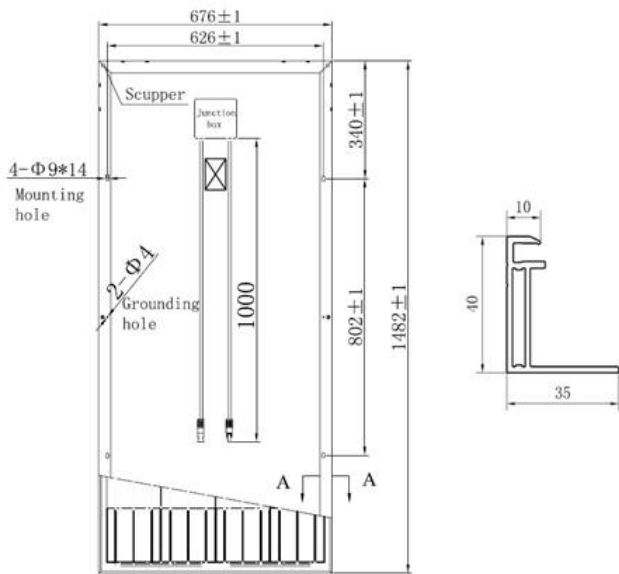
New Technology

NES

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

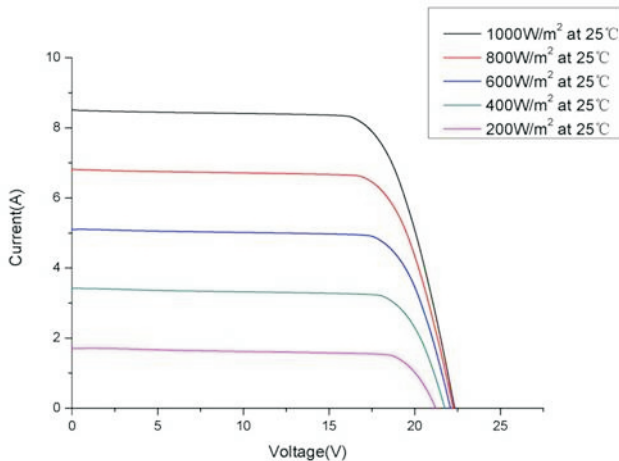


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Mechanical Specifications

Cell	Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch
No. of Cells	36 (4 *9) pcs
Dimension of Module	1482 mm * 676 mm * 40 mm / 58.3 inch * 26.6 inch * 1.6 inch
Weight	12.5 kg /27.56 lbs
Front Glass	3.2 mm tempered glass with ARC
Frame	Anodized aluminum alloy
Junction Box	IP65
Plug Connector	IP67
Bypass-Diodes	4 pcs. (IEC) / 2 pcs. (UL)
Max. Fuse Current Rating	15 A
Type of Connector	Mc4 or Mc4 compatible
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	26
Pallet / Container	46
Pcs / Container	1196

BYD P6C-18 Series Electrical Specification

Module	BYD 130P6C-18	BYD 135P6C-18	BYD 140P6C-18	BYD 145P6C-18
Item				
Open Circuit Voltage (Voc)	20.99 V	21.29 V	21.59 V	21.89 V
Maximum Operating Voltage (Vmp)	16.30 V	16.74 V	17.20 V	17.59 V
Short Circuit Current (Isc)	8.56A	8.64 A	8.72 A	8.80A
Maximum Operating Current (Imp)	7.98A	8.07 A	8.16A	8.25A
Maximum Power in STC (Pmax)	130Wp	135 Wp	140Wp	145 Wp
Module Efficiency	12.98%	13.48%	13.97%	14.47%
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