



BYD P6F-30 Series

245W 250W 255W 260W 265W



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

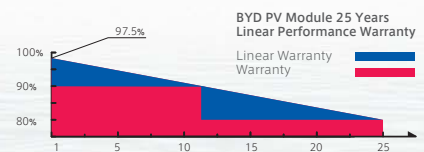
Residential roof top systems
On/Off-grid commercial systems
On/Off-grid utility systems

3rd

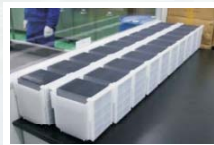
TUV Salt corrosion resistance test
TUV Ammonia corrosion resistance test
5400Pa for Snow Load Test
5400Pa for Wind Load Test

Certification

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



Production Process



Wafer Production



Cell Production



Module Production



Module

About BYD

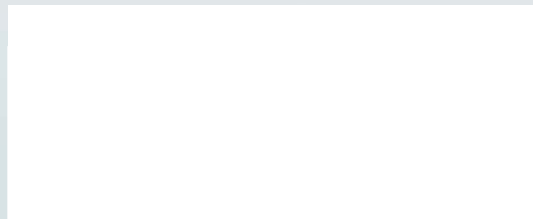
BYD (HK:1211), one of the world's top PV manufacturers, produces from wafer to module, committing to high quality sustainable products and continuous improvement. Integrating with Electrical Vehicles and Battery Energy Storage technology makes BYD the world-leading solution provider from energy generating to consumption and storage.



New Technology

NES

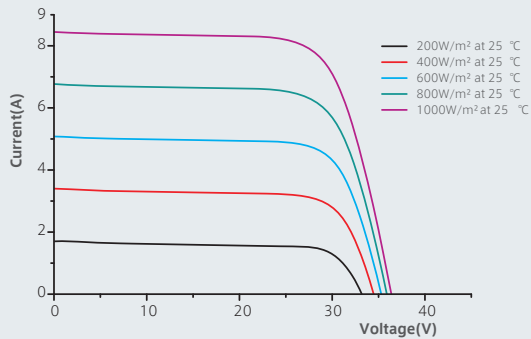
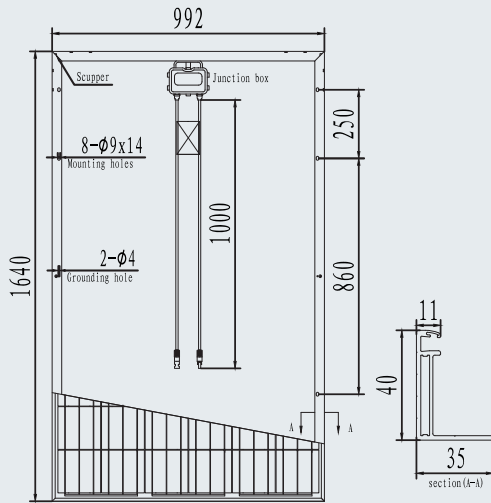
A high technology that is widely used in BYD photovoltaic products, increasing the average cell efficiency up to 17.8%



BYD P6F-30 Series

Build Your Dreams

245W 250W 255W 260W 265W



Mechanical Specifications

| | |
|---------------------|----------------------------------------------------------------|
| Cell | Polycrystalline Silicon solar cells 156mm * 156 mm / 6 inch |
| No. of Cells | 60 (6*10) pcses |
| Dimension of Module | 1640 mm * 992 mm * 40 mm / 64.6 inch * 39.1 inch * 1.6 inch |
| Weight | 18.9kg / 41.67 lbs |
| Front Glass | 3.2 mm tempered glass with AR Coating |
| Frame | Anodized aluminum alloy |
| Junction Box | IP65 |
| Plug Connector | IP67 |
| Bypass-Diodes | 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 | -0.40%/°C |

Package Information

| | |
|--------------------|--------|
| Package | 40' HC |
| Pcs / Pallet | 26 |
| Pallet / Container | 28 |
| Pcs / Container | 728 |

BYD P6F-30 Series Electrical Specification

STC

| Item | Module | BYD 245P6F-30 | BYD 250P6F-30 | BYD 255P6F-30 | BYD 260P6F-30 | BYD 265P6F-30 |
|---------------------------------|--------|---------------|---------------|---------------|---------------|---------------|
| Open Circuit Voltage (Voc) | | 37.45 V | 37.76V | 38.07 V | 38.38 V | 38.69 V |
| Maximum Operating Voltage (Vmp) | | 29.85 V | 30.13 V | 30.40 V | 30.67V | 30.93V |
| Short Circuit Current (Isc) | | 8.73 A | 8.81A | 8.89 A | 8.97 A | 9.05 A |
| Maximum Operating Current (Imp) | | 8.21 A | 8.30 A | 8.39 A | 8.48 A | 8.57 A |
| Maximum Power in STC (Pmax) | | 245 Wp | 250 Wp | 255 Wp | 260 Wp | 265 Wp |
| Module Efficiency | | 15.06% | 15.37% | 15.67% | 15.98% | 16.29% |
| Operating Temperature | | -40°C ~ 85°C | | | | |
| Max. Fuse Current Rating | | 15A | | | | |
| 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 245P6F-30 | BYD 250P6F-30 | BYD 255P6F-30 | BYD 260P6F-30 | BYD 265P6F-30 |
|---------------------------------|--------|---------------|---------------|---------------|---------------|---------------|
| Open Circuit Voltage (Voc) | | 34.6 V | 34.9 V | 35.2 V | 35.5 V | 35.7 V |
| Maximum Operating Voltage (Vmp) | | 27.6 V | 27.8 V | 28 V | 28.3 V | 28.6 V |
| Short Circuit Current (Isc) | | 7.06 A | 7.13 A | 7.2 A | 7.26 A | 7.32 A |
| Maximum Operating Current (Imp) | | 6.64 A | 6.7 A | 6.76 A | 6.83 A | 6.89 A |
| Maximum Power in NOCT (Pmax) | | 182.5 Wp | 186.1 Wp | 189.7 Wp | 193.3 Wp | 196.8 Wp |

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