

BYD P6-30 Series



BYD has developed a line of PV cells with increased energy efficiency without increasing cell manufacturing costs. If you have special requirements, we can design accordingly.

Features

- High efficiency
- Excellent optical performance
- Easy to be installed
- Strong frame module, passing mechanical load test of 5400Pa

Warranty

- 10 years for product
- 10 years on 90% for performance
- 25 years on 80% for performance

Recommended Applications

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

Certificates

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

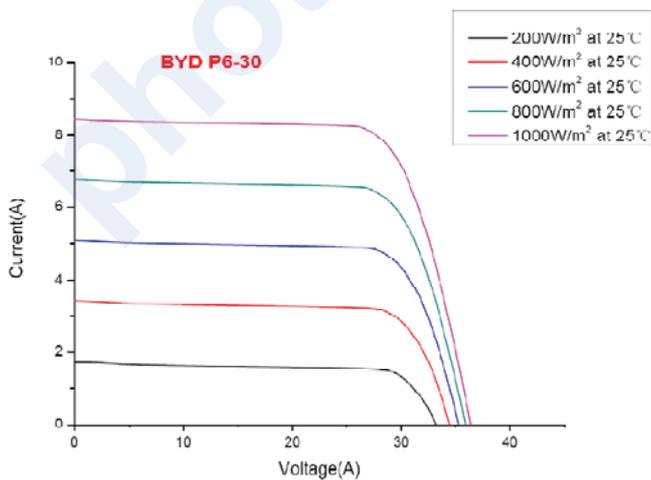
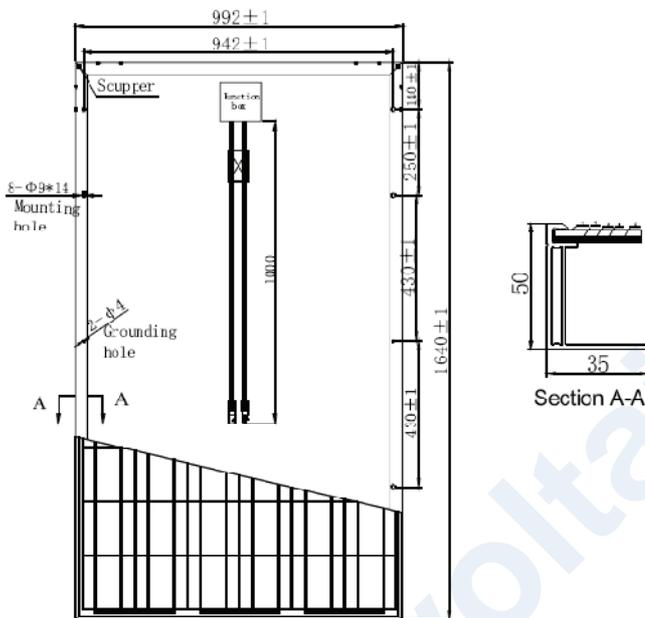


| Model | BYD 220P6-30 | BYD 225P6-30 | BYD 230P6-30 | BYD 235P6-30 | BYD 240P6-30 | BYD 245P6-30 | BYD 250P6-30 |
|---------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Open Circuit Voltage (Voc) | 36.18 V | 36.36 V | 36.75 V | 37.07 V | 37.54 V | 37.80 V | 38.00 V |
| Maximum Operating Voltage (Vmp) | 28.29 V | 28.49 V | 28.67 V | 29.06 V | 29.55 V | 30.06 V | 30.40 V |
| Short Circuit Current (Isc) | 8.40 A | 8.44 A | 8.50 A | 8.69 A | 8.90 A | 8.94 A | 8.98 A |
| Maximum Operating Current (Imp) | 7.80 A | 7.91 A | 8.02 A | 8.09 A | 8.12 A | 8.15 A | 8.22 A |
| Maximum Power in STC (Pmax) | 220 Wp | 225 Wp | 230 Wp | 235 Wp | 240 Wp | 245 Wp | 250 Wp |
| Module Efficiency | 13.52% | 13.83% | 14.14% | 14.44% | 14.75% | 15.06% | 15.37% |
| Operating Temperature | -40 °C ~ + 85 °C | | | | | | |
| Maximum System Voltage | 1000 VDC(IEC) / 600 VDC (UL) | | | | | | |

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



BYD COMPANY LIMITED



Temperature Coefficients

| | |
|-----------------------------------------------|--------------|
| NOCT | 45 °C ± 2 °C |
| Short-circuit current temperature coefficient | 0.045%/ °C |
| Open-circuit voltage temperature coefficient | -0.34%/ °C |
| Peak power temperature coefficient | -0.47%/ °C |
| Power tolerance | 0~ 3% |

NOCT: Nominal Operating Cell Temperature. The above data is only for reference.

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 * 50 mm / 64.6 inch * 39.1 inch * 2.0 inch |
| Weight | 19.6 kg / 43.21 lbs |
| Front Glass | 3.2 mm (0.13 inch) tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP65 rated |
| Bypass-Diodes | 6 pcs. (IEC) / 3 pcs. (UL) |
| Max. Fuse Current Rating | 15 A |
| Type of Connector | MC4, MC4 compatible, MC3 compatible, 0-1394462-4/6-1394461-2 |

Output Cables

| | |
|--------------------|----------------------------------|
| Cable Section Area | 4 mm ² / 0.0062 Sq in |
| Cable Length | 2 * 1000 mm / 2 * 39.4 inch |

Package Information

| | |
|------------------|--------|
| Package | 40' HC |
| Pcs/pallet | 20 |
| Pallet/container | 28 |
| Pcs/container | 560 |