宁波贝达新能源科技有限公司

NINGBO BEIDA NEW ENERGY SCIENCE & TECHNOLOGY CO., LTD.

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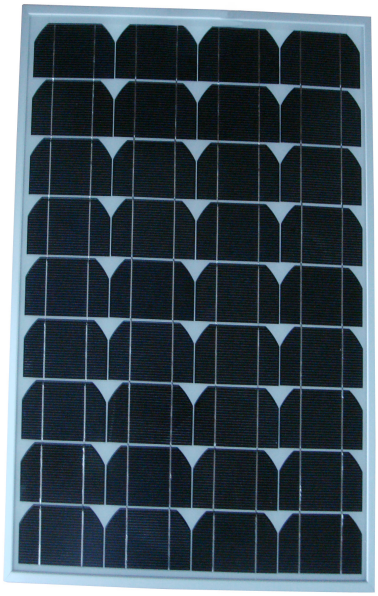
BD MODULE

BD40-36M 40W

EFFICIENCY

- Low voltage-temperature coefficient allows higher power output at high-temperature condition
- High efficient, high reliable solar cells ensure our product ourput stability



MATERIALS

- Advanced EVA encapsulation system with reiple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- Innovative, environmentally friendly packing method using pile-edges ensures modules arrive in perfect condition
- New frame design incorporation ellipse shaped drainage holes, with more grounding holes, provide flexible installation and use

BENEFITS

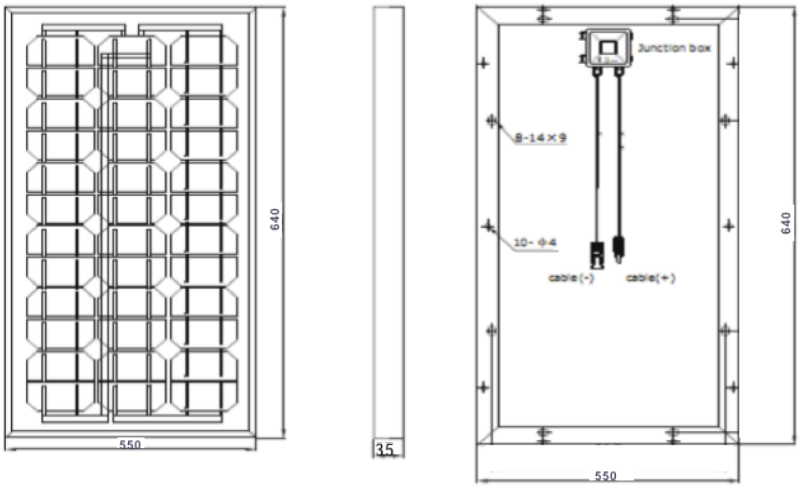
- Manufactured in an ISO9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of+/-3%
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship

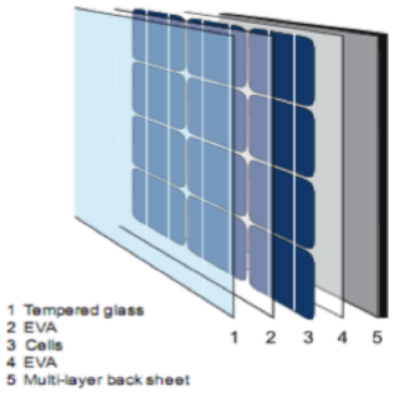
SPECIFICATIONS

Model Type	BD40-36M
Peak power	40W
Cell type	Mono Crystalline Silicon, 125mm×62.5mm
Number of cells	36 cells in series
Weight	4.0kg
Dimensions	640×550×35mm
Maximum power voltage(Vmp)	17.82V
Maximum power current(Imp)	2.27A
Open circuit voltage(Voc)	21.96V
Short circuit current(Isc)	2.54A
Maximum system voltage	DC 1000V
Temp.Coeff.of Isc(TK Isc)	0.06 %/℃
Temp.Coeff.of Voc(TK Voc)	− 0.397 %/℃
Temp.Coeff.of Pmax(TK Pmax)	− 0.549 %/℃
Normal Operating Cell Temperature	44.4±2℃

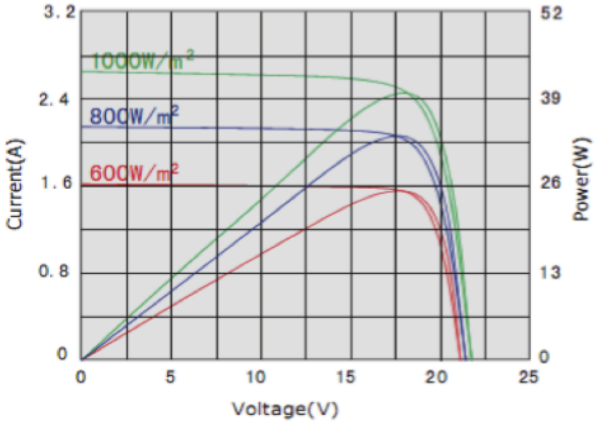
Note: the specifications are obtained under the Standard Test Conditions (STCs):1000W/㎡ solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

PHYSICAL CHARACTERISTICS Unit:mm





Electrical Performance cell temperature:25℃



Temperatur dependence of Isc,Voc and Pmax