



# Ningbo Best Solar Energy Technology Co., Ltd

No. 2 BeiXing Road, Mazhu, Yuyao, Zhejiang 315450, China

Tel: (86) 574 62469438

Fax: (86) 574 62469408

Website: [www.cnbestsolar.com](http://www.cnbestsolar.com)

## (125x125mm) 96 Cells Series – 250W Monocrystalline Solar Module



### Performance

- Ability to withstand weather extremes has been tested and proven by the IEC61215, IEC 61730 performance test and UL 1703 safety test
- Water resistant junction box and high strength polymer sheet on module's rear ensures module is sealed from moisture and mechanical damage
- High transmissivity low-iron toughened glass
- Unique drainage hole design and aluminum frame

### Quality and Reliability

- Superior reliability with guaranteed +/-3% power output tolerance
- 5-years warranty on materials and workmanship, 25 years power output warranty
- Cells are individually tested, characterized and modulated prior to interconnection
- TÜV, IEC, UL, MCS, CE, ISO certified



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## Electrical Characteristics

<b>MODEL No.</b>	<b>BEST-250MI-96</b>
<b>MONO OR POLY</b>	<b>MONOCRYSTALLINE</b>
Maximum Power(Pmx)	250W
Open Circuit Voltage(Voc)	58.1V
Short Circuit Current (Isc)	5.58A
Maximum Power Voltage (Vmp)	48.5V
Maximum Power Current (Imp)	5.15A
Solar Cells Manufacturer	Ningbo Best Solar Energy (Self-produce)
Maximum System Voltage(V)	600V (UL)/ 1000V (IEC) DC
Cell Efficiency (%)	16.82%
Module Efficiency (%)	15.82%
Output tolerance (%)	-/+3%
Weight (kg)	22.5kgs
Temperature Coefficients of Pmax (%)	-0.45%
Temperature Coefficients of Voc(%)	-0.35%
Temperature Coefficients of Isc (%)	+0.05%
Surface Maximum Load Capacity	200kgs/m2
Allowable Hail Load	25mm@80km/h
Testing Conditions	AM:1.5,Irradiation:1000W/M2,STC:25°C
Warranties	5 years Product Defects Warranty, 25 years Power Output Warranty (Details refer to Limited Warranty)
Packing	560pcs / 20" container 40pcs/pallet, total 14 pallets



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## Mechanical Characteristics

Solar cells	Monocrystalline 125x 125mm
Cells Series	96pcs
Dimension	1580x 1058 x 46mm
Weight	22.5kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP-65 rated with bypass diodes
Output Cables	1*4.0mm <sup>2</sup> , Length 900mm

## Temperature & Maximum Ratings

Operating temperature	-40°C ~ +85°C
Storage temperature	-40°C ~ +85°C
NOCT	47±2°C
Series fuse rating	10A

