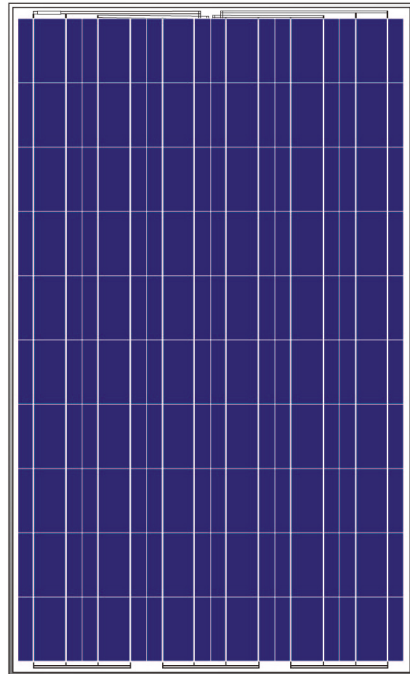


# 60 CELL

POLYCRYSTALLINE MODULE 230W-270W

# 60 CELL







POLYCRYSTALLINE MODULE 230W-270W



## PRODUCT OVERVIEW+APPLICATION

- on-grid residential roof-tops
- on-grid commercial/industrial roof-top solar power stations
- Other off-grid applications
- In a large project, this cell solar module can help you save cost in labor and installation.

## SOLAR MODULE ADVANTAGES

-  Snow/Wind load
-  Positive tolerance
-  25-year progressive warranty
-  10-year product warranty
-  Self-cleaning glass
-  PID Resistant

## MECHANICAL PARAMETERS

|  |                          |
|--|--------------------------|
| cell(mm)                                   | poly 156X156             |
| Weight(kg)                                 | 19.5                     |
| Dimensions(LxWxH)                          | 1640x990x40(TUV)         |
| Cable Length(mm)                           | 900MM                    |
| Cable cross section size(mm <sup>2</sup> ) | 4                        |
| No.of cells and connections                | 60(10x6)                 |
| Frame                                      | anodised aluminium alloy |
| Packing configuration                      | 25/21pcs/carton          |

## WORKING CONDITIONS

|                        |                 |
|------------------------|-----------------|
| Maximum System voltage | DC1000(TUV)     |
| Operating Temp.        | -45°C+80°C      |
| Junction Box           | IP65/IP67 Reted |
| Static Loading         | ≤5400Pa         |
| Maximum Serise Fuse(A) | 15A             |
| NOCT                   | 47±2°C          |
| Application Class      | Class A         |
| Test Standard          | IEC61215/61730  |

## GUARANTEE

5-year limited product warranty

Limited performance warranty: 10year at 90% of the minimal rated power output, 25years at 80% of the minimal rated power output

ZHEJIANG Yueyang Industry&Trade CO.,LTD.

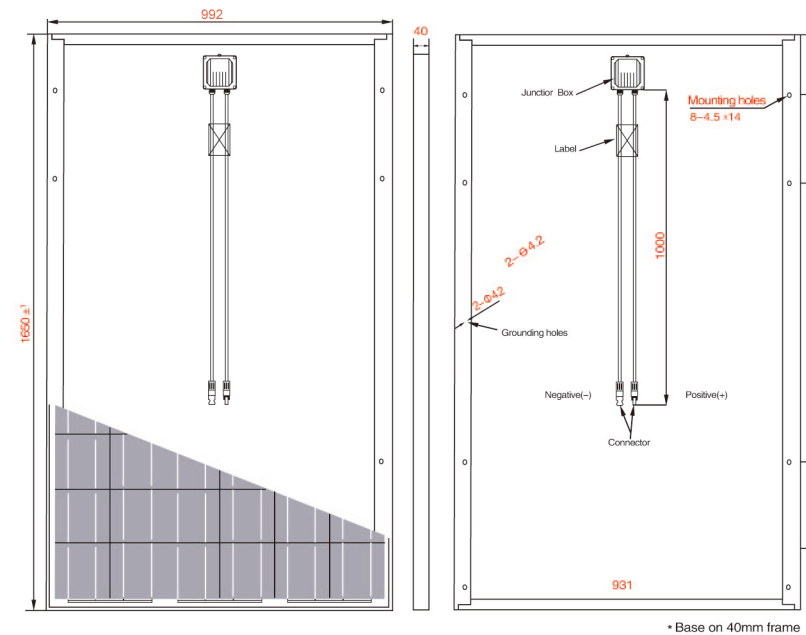
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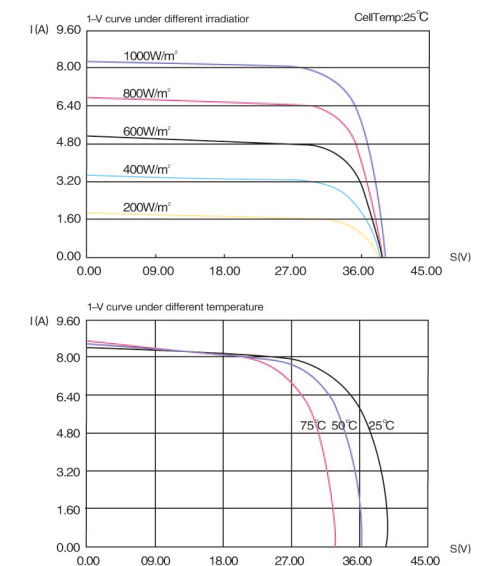


Specifications subject to technical changes 04.2014 Yinghe Solar  Recycle



## I-V CURVE

Output under different irradiation and the correlation between isc/voc/pmax and temperature map



## ELECTRICAL PARAMETERS

| TYPE                                 | HLSP-230P | HLSP-235P | HLSP-240P | HLSP-245P | HLSP-250P | HLSP-255P | HLSP-260P | HLSP-265P | HLSP-270P |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Rated Maximum Power at STC(W)        | 230W      | 235W      | 240W      | 245W      | 250W      | 255W      | 260W      | 265W      | 270W      |
| Maximim Power Voltage(Vmp/P)         | 29.7V     | 30V       | 30.2V     | 30.2V     | 30.5V     | 30.7V     | 31V       | 31.2V     | 31.5V     |
| Maximum Power Current(Imp/A)         | 7.69A     | 7.83A     | 7.94A     | 8.11A     | 8.19A     | 8.31A     | 8.38A     | 8.49A     | 8.57A     |
| Open Circuit Voltage(Voc/v)          | 36.8V     | 37.1V     | 37.4V     | 37.4V     | 38.1V     | 38.3V     | 38.6V     | 38.8V     | 39V       |
| Short Circuit Current(Isc/a)         | 8.30A     | 8.45A     | 8.58A     | 8.76A     | 8.97A     | 8.97A     | 9.05A     | 9.17A     | 9.23A     |
| Power Tolerance                      | 0 to +3%  |           |           |           |           |           |           |           |           |
| Current temperature coefficient(ISC) | 0.04%/°C  |           |           |           |           |           |           |           |           |
| Voltage temperature coefficient(Voc) | -0.30%/°C |           |           |           |           |           |           |           |           |
| Power temperature coefficient(Pmp)   | -0.39%/°C |           |           |           |           |           |           |           |           |

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