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Solar Panel Guide Specification Data Sheet

Wuhan Rixin Technology Co., Ltd.

MDG315-330

MDG-315

Also available on the web at
EnergyPal.com/wuhan-rixin-technology-co-ltd-solar-panels/mdg-315

72cells Polycrystalline Double-glass Solar Panel

MDG315~330 (White/Transparent)



Outstanding module performance

- Anti PID
- High hot-spot resistance
- Double semi-tempered glasses strengthen cracking resistance
- Improve heat dissipation



Ensure fire safety performance

- Replace polymer back plate with tempered glass, to improve fire safety performance
- Passed fire safety test grade A



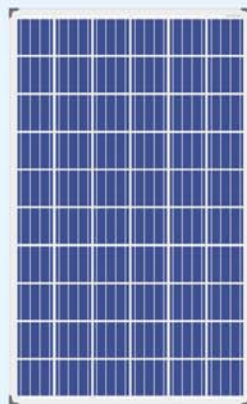
System cost reduction makes more efficiency

- Maximum system voltage enhanced to 1500V
- Compared with 1000V system, system overall cost reduced greatly
- 30-year linear power warranty, only 0.5% annual linear degradation



Harsh environment adaptation

- High transmittance, anti reflection, self-cleaning coated glass
- No aluminum alloy frame, no grounding
- Excellent performance on wind & sand resistance, salt mist resistance, ammonia corrosion resistance
- Passed positive snow loads (5400pa) and wind loads (2400pa) certification tests

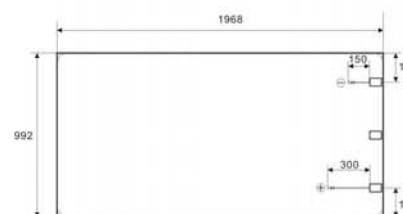


72cells
Poly module

315~330W
Output power

0~+5W
Power tolerance

Module dimension (mm)



Electrical Performance Parameters

| Model | MDG-315 | MDG-320 | MDG-325 | MDG-330 |
|--|------------|---------|---------|---------|
| Maximum power at STC (Pm/Wp) | 315 | 320 | 325 | 330 |
| Maximum power voltage (Vmp/V) | 37.24 | 37.36 | 37.48 | 37.63 |
| Maximum power current (Imp/A) | 8.46 | 8.57 | 8.67 | 8.77 |
| Open circuit voltage (Voc/V) | 45.17 | 45.33 | 45.47 | 45.61 |
| Short circuit current (Isc/A) | 9.22 | 9.34 | 9.44 | 9.54 |
| Module efficiency (%) | 16.1 | 16.4 | 16.65 | 16.9 |
| Normal operating cell temperature (NOCT) | 45.3 ± 2°C | | | |
| Temperature coefficient of Voc | -0.31%/°C | | | |
| Temperature coefficient of Isc | 0.05%/°C | | | |
| Temperature coefficient of Pm | -0.41%/°C | | | |
| Power tolerance (W) | 0~+5 | | | |

*STC (AM1.5, 1000W/m², cell temperature 25°C)

Packing Information

| Module dimension | Container (20GP) |
|------------------|------------------|
| pieces/pallet | 30 |
| pallets/stack | 2 |
| stacks/container | 4 |
| pieces/container | 240 |
| 1968*992*6 | Container (40HQ) |
| pieces/pallet | 30 |
| pallets/stack | 2 |
| stacks/container | 11 |
| pieces/container | 660 |

Mechanical Performance Parameters

| | |
|----------------------------------|--|
| Cell dimension (mm) | 156.75*156.75Poly |
| Module dimension (L*W*H) (mm) | 1968*992*6 (Junction box thickness 16) |
| Module weight (kg) | 28 |
| Cable section (mm ²) | 4 |
| Cable length (mm) | Negative 150, Positive 300 |
| Cell Nos & array | 72 (6*12) |
| Diode Nos | 3 |

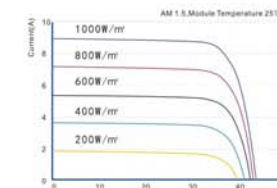
Quality Parameters

| | |
|--|--------------------|
| Maximum system voltage (V Dc) | 1500 |
| Module working temperature range (°C) | -40~+85 |
| System maximum protection current (A) | 15 |
| Maximum wind loads/maximum snow loads (Pa) | 2400/5400 |
| Hot-spot resistance | 100% hot-spot free |

Quality Warranty

- 10-year materials & workmanship warranty
- 30-year linear power warranty
- 30-year 0.5% annual linear power degradation

I-V curve (315W)



Attention:
Read safety and installation instructions before using.
The parameters in this sheet are subject to change without prior notice.

Polycrystalline silicon double-glass solar panel linear power warranty



TUV



ISO



CE



CQC



CCC



Recyclable