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Solar Panel Guide Specification Data Sheet

Wuhan Rixin Technology Co., Ltd.

DDM275-290

DDM-285

Also available on the web at
EnergyPal.com/wuhan-rixin-technology-co-ltd-solar-panels/ddm-285

60cells Monocrystalline Double-glass Solar Panel

DDM275~290 (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

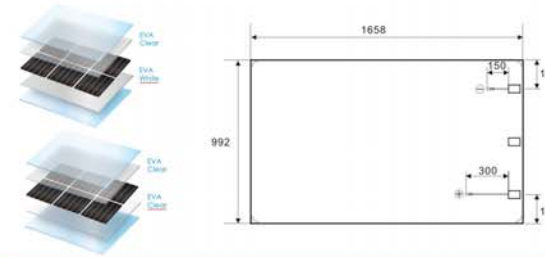


**60cells
Poly module**

**275~290W
Output power**

**0~+5W
Power tolerance**

Module dimension (mm)



Electrical Performance Parameters

Model	DDM-275	DDM-280	DDM-285	DDM-290
Maximum power at STC (Pm/Wp)	275	280	285	290
Maximum power voltage (Vmp/V)	31.6	31.78	31.95	32.12
Maximum power current (Imp/A)	8.7	8.81	8.92	9.03
Open circuit voltage (Voc/V)	38.5	38.65	38.8	39
Short circuit current (Isc/A)	9.42	9.53	9.64	9.75
Module efficiency (%)	16.7	17.0	17.32	17.63
Normal operating cell temperature (NOCT)	44.2±2°C			
Temperature coefficient of Voc	-0.29%/°C			
Temperature coefficient of Isc	0.05%/°C			
Temperature coefficient of Pm	-0.39%/°C			
Power tolerance (W)	0~+5			

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

Packing Information

Module dimension	Container (20GP)
pieces/pallet	33
pallets/stack	2
stacks/container	6
pieces/container	396
1658*992*6	Container (40HQ)
pieces/pallet	33
pallets/stack	2
stacks/container	14
pieces/container	924

Mechanical Performance Parameters

Cell dimension (mm)	156.75*156.75Mono
Module dimension (L*W*H) (mm)	1658*992*6(junction box thickness16)
Module weight (kg)	23
Cable section (mm²)	4
Cable length(mm)	Negative150, Positive 300
Cell Nos & array	60 (6*10)
Diode Nos	3

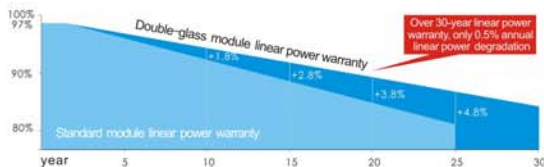
Quality Parameters

Maximum system voltage (VDC)	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

Monocrystalline silicon double-glass solar panel linear power warranty



Over 30-year linear power warranty, only 0.5% annual linear power degradation



TUV



CE



CCC



ISO

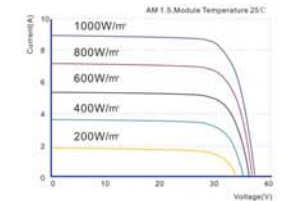


CQC



Recyclable

I-V curve(275W)



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