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Solar Panel Guide Specification Data Sheet

Wuhan Rixin Technology Co., Ltd.

MBM265-280

MBM-270

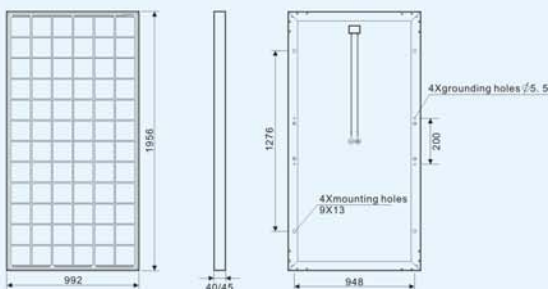
Also available on the web at
EnergyPal.com/wuhan-rixin-technology-co-ltd-solar-panels/mbm-270

72cells Polycrystalline Solar Panel

MBG315~330



Module drawing



Electrical Performance Parameters

Model	MBG-315	MBG-320	MBG-325	MBG-330
Maximum power at STC (Pm/Wp)	315	320	325	330
Maximum power voltage (Vmp/V)	37.0	37.1	37.2	37.3
Maximum power current (Imp/A)	8.51	8.63	8.74	8.85
Open circuit voltage (Voc/V)	45.29	45.41	45.53	45.63
Short circuit current (Isc/A)	9.21	9.33	9.45	9.57
Module efficiency (%)	16.2	16.5	16.7	17.0
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	25/23
pallets/stack	2
stacks/container	4
pieces/container	200/184
1956*992*40/45	Container (40HQ)
pieces/pallet	25/23
pallets/stack	2
stacks/container	11
pieces/container	550/506

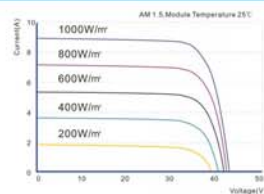
Mechanical Performance Parameters

Cell dimension (mm)	156.75*156.75Poly
Module dimension (L*W*H) (mm)	1956*992*40/45
Module weight (kg)	23
Cable section (mm ²)	4
Cable length(mm)	900
Cell Nos & array	72 (6*12)
Diode Nos	3

Quality Parameters

Maximum system voltage (VDC)	1000
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

I-V curve(315W)



Quality Warranty

1-year output power ≥ 97.5%
10-year output power ≥ 91.2%
25-year output power ≥ 80.7%
10-year materials & workmanship warranty



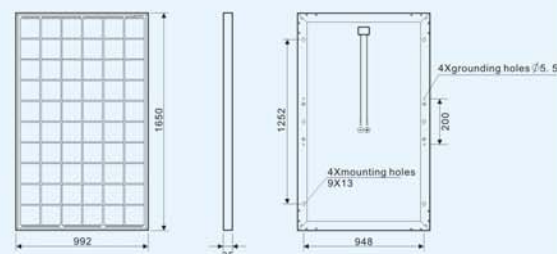
Attention: Read safety and installation instructions before using. The parameters in this sheet are subject to change without prior notice.

60cells Polycrystalline Solar Panel

MBM265~280



Module drawing



Electrical Performance Parameters

Model	MBM-265	MBM-270	MBM-275	MBM-280
Maximum power at STC (Pm/Wp)	265	270	275	280
Maximum power voltage (Vmp/V)	31.20	31.40	31.60	31.80
Maximum power current (Imp/A)	8.50	8.60	8.70	8.80
Open circuit voltage (Voc/V)	38.20	38.40	38.50	38.60
Short circuit current (Isc/A)	9.19	9.28	9.40	9.57
Module efficiency (%)	16.2	16.5	16.8	17.1
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	6
pieces/container	360
1650*992*35	Container (40HQ)
pieces/pallet	30
pallets/stack	2
stacks/container	14
pieces/container	840

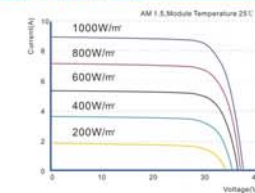
Mechanical Performance Parameters

Cell dimension (mm)	156.75*156.75Poly
Module dimension (L*W*H) (mm)	1650*992*35
Module weight (kg)	19
Cable section (mm ²)	4
Cable length(mm)	900
Cell Nos & array	60 (6*10)
Diode Nos	3

Quality Parameters

Maximum system voltage (VDC)	1000
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

I-V curve(265W)



Quality Warranty

1-year output power ≥ 97.5%
10-year output power ≥ 91.2%
25-year output power ≥ 80.7%
10-year materials & workmanship warranty



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