Mono PERC 210mm 80 Cells

MS(390-410)MB-40H Full Black

390/395/400/405/410 WP







Better appearance

- Full-black tone makes the modules blend perfectly with the building roof, ideal for residential roofs and BIPVs
- Cleaner and more aesthetic than traditional modules and complements your home's architectural style
- The new layout design is uniform overall, and the vision is extremely beautiful



High customer value

- Lower LCOE (Levelized Cost Of Energy), reduced BOS (Balance Of System) cost, shorter payback time
- Lower guaranteed first year and annual degradation
- Designed for compatibility with existing mainstream system components
- Higher return on Investment



High energy yield

- Excellent IAM(Incidet Angle Modifier) and low irradiation performance, validated by 3rd party certifications
- The unique design provides optimized energy production under inter-rowshading conditions

High reliability

- Minimized micro-cracks with innovative non-destructive cutting technology
- Ensured PID resistance through cell process and module material control
- Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas
- Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load
- Class-C fire safety test passed



21% POSITIVE POWER TOLERANCE 0 ~+5W



APPLICATIONS >>



On-grid residential

roof-tops



On-grid commercial/ industrial roof-tops

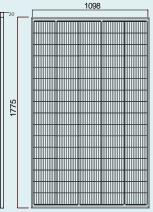


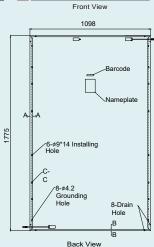


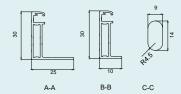
Maysun Solar

MS(390-410)MB-40H Full Black

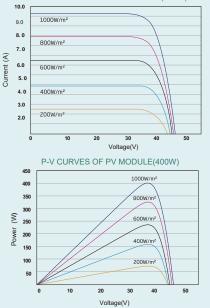
DIMENSIONS OF PV MODULE(mm)







I-V CURVES OF PV MODULE(400W)



avsun

ELECTRICAL DATA (STC)

390	395	400	405	410	
0~+5					
42.63	42.94	43.3	43.65	44.0	
9.15	9.20	9.24	9.28	9.32	
51.59	5196	52.4	52.82	53.24	
9.70	9.75	9.79	9.83	9.88	
20.0	20.2	20.5	20.7	21.0	
°C,					
	42.63 9.15 51.59 9.70 20.0	42.63 42.94 9.15 9.20 51.59 51.96 9.70 9.75 20.0 20.2	112 1133 42.63 42.94 43.3 9.15 9.20 9.24 51.59 51.96 52.4 9.70 9.75 9.79 20.0 20.2 20.5	A100 A100 A100 42.63 42.94 43.3 43.65 9.15 9.20 9.24 9.28 51.59 51.96 52.4 52.82 9.70 9.75 9.79 9.83 20.0 20.2 20.5 20.7	A42.63 A42.94 A3.3 A3.65 A4.0 9.15 9.20 9.24 9.28 9.32 51.59 5196 52.4 52.82 53.24 9.70 9.75 9.79 9.83 9.88 20.0 20.2 20.5 20.7 21.0

ELECTRICAL DATA (NOCT)

Maximum Power-P _{MAX} (Wp)	295	299	302	306	309	
Maximum Power Voltage-V _{MPP} (V)	39.6	39.9	40.2	40.6	40.9	
Maximum Power Current-I _{MPP} (A)	7.44	7.49	7.51	7.54	7.56	
Open Circuit Voltage-Voc (V)	47.9	48.3	48.6	49.1	49.4	
Short Circuit Current-Isc (A)	7.82	7.86	7.89	7.99	8.01	

NOCT: Irradiance at 800W/m² , Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA	
Solar Cells	Monocrystalline
Cell Orientation	80 cells
Module Dimensions	1775mm x 1098mm x 30mm
Weight	21kg
Glass	3.2 mm High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	Black
Frame	30mm Black, anodized aluminium alloy
J-Box	IP 68 rated (3 bypass diodes)
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²) Portrait: N 700mm/P 700mm(27.55/27.55 inches) Length can be customized
Connector	MC4

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

25 year Power Warranty

2.5% first year degradation

0.5% Annual Power Attenuation

*Please refer to product warranty for details.

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coe°cient of PMAX	- 0.34%/°C
Temperature Coe°cient of Voc	- 0.25%/°C
Temperature Coe°cient of Isc	0.04%/°C

15 year Product Workmanship Warranty

MAXIMUMRATINGS

- 40 ~ +85°C	
1500V DC (IEC)	
1000V DC (IEC)	
20A	

PACKAGING CONFIGUREATION

Modules per pallet:37 pieces

Modules per 40' container: 962 pieces

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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without notice.

WARRANTY

Website: www.maysunsolar.com