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

390/395/400/405/410 WP





Tailored for balcony and garden solar system set

Venusun S

-Full Black



Lighter Weight

14 kg weight greatly facilitates transportation and installation after reducing 7 kg.



Higher Power

Transparent backsheet generates 5%-20% extra electricitywhilebacksheet can produce power.



More Application

Designed for compatibility with existing mainstream system components.



Better Appearance

All-black tone makes Venusun S more harmonious with the architecture, especially suitable for household.



High Reliability

Suitable for all kinds of weather, Venusun S owns class C fire safety.









On-grid residential roof-tops

On-grid commercial/ industrial roof-tops

Ongrid balcony garden and carport









MAXIMUN EFFICIENCY

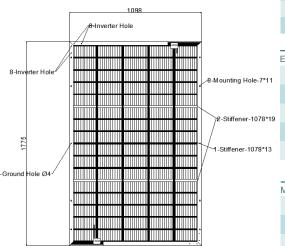
21%

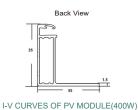
POSITIVE POWER TOLERANCE



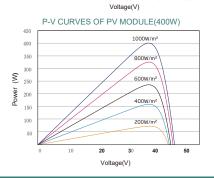
Maysun Solar

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





	10.0	
	10.0	
	9.0	1000W/m²
	8.0	800W/m²
_	7.0	80000/11
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aut	6.0	600W/m²
Current (A)	5. 0	
O	4.0	400W/m²
	3.0	\ \\\\
	3.0	
	2.0	200W/m²



ELECTRICAL DATA (STC)

Peak Power Watts-P _{MAX} (Wp)*	390	395	400	405	410	
Power Tolerance-P _{MAX} (W)			0 ~ +5			
Maximum Power Voltage-V _{MPP} (V)	42.63	42.94	43.3	43.65	44.0	
Maximum Power Current-I _{MPP} (A)	9.15	9.20	9.24	9.28	9.32	
Open Circuit Voltage-Voc (V)	51.59	5196	52.4	52.82	53.24	
Short Circuit Current-Isc (A)	9.70	9.75	9.79	9.83	9.88	
Module Efficiency η m (%)	20.0	20.2	20.5	20.7	21.0	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.

Electrical characteristics with different rear side power gain

5% Maximum Power-P _{MAX} (Wp)	390	395	400	405	410	
5% Module Efficiency η m (%)	21.01%	21.28%	21.55%	21.82%	22.09%	
10% Maximum Power-PMAX (Wp)	429	434.5	440	445.5	451	
10% Module Efficiency η m (%)	22.01%	22.29%	22.58%	22.86%	23.14%	
20% Maximum Power-PMAX (Wp)	468	474	480	486	492	
20% Module Efficiency η m (%)	24.01%	24.32%	24.63%	24.94%	25.24%	

Power Bifaciality:70±5%

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

WEOTANIOAE DATA					
Solar Cells	Monocrystalline				
Cell Orientation	80 cells				
Module Dimensions	1775mm x 1098mm x 35mm				
Weight	14kg				
Glass	1.6mm High Transmission, AR Coated Heat Strengthened Glass				
Encapsulant Material	EVA				
Backsheet	Black mesh transparent				
Frame	35mm Black, anodized aluminium alloy				
J-Box	IP 68 rated (2bypass diodes)+1MOS				
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²)				
	Portrait: N 1650mm/P 650mm(66.93/23.62 inches)				
	Length can be customized				
Connector	MC4 Compatible				

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS					
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				

W	Αŀ	RF	RA	١N	T	Y

15 year Product Workmanship Warranty	
25 year Power Warranty	
2.5% first year degradation	

0.5% Annual Power Attenuation

*Please refer to product warranty for details.

MAXIMUMRATINGS			
Operational Temperature	- 40 ~ +85°C		
Maximum System Voltage	1500V DC (IEC)		
	1000V DC (IEC)		
Max Series Fuse Rating	20A		

PACKAGING CONFIGUREATION

Modules per package: 2 pieces



Website: www.maysunsolar.com