Mono PERC 166mm 120 Cells

MS(360-380)MB-60H Black Frame

360/365/370/375/380 WP

Maysun Solar

MAYSUNSOLAR.COM

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

High power up to 380W

- Large area cells based on 166mm silicon wafers and 1/2-cut cell technology
- Up to 20.7% module efficiency with high density interconnect technology
- Multi-busbar technology for better light trapping effect lower series resistance and improved current collection

APPLICATIONS >>

On-grid residential roof-tops

On-grid commercial/ industrial roof-tops

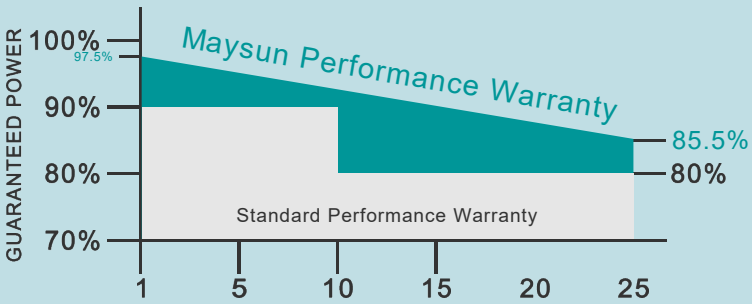
TÜV NORD Type Tested · CE · IEC · dewa · ISO

MAXIMUM EFFICIENCY

20.7%

POSITIVE POWER TOLERANCE

0 ~+5W



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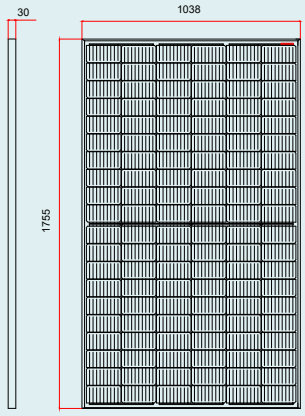
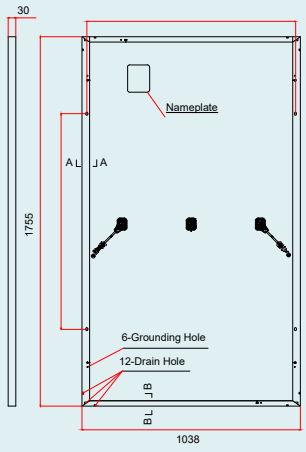
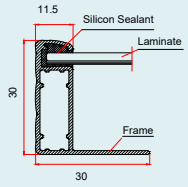
DIMENSIONS OF PV MODULE(mm)



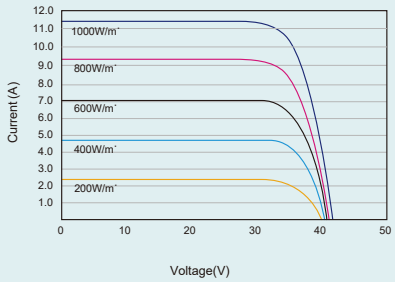
Front View



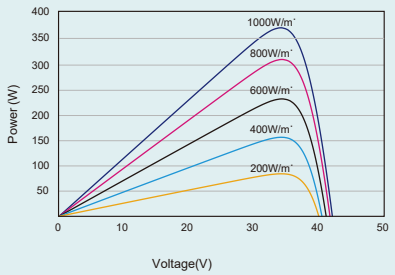
Back View



I-V CURVES OF PV MODULE(370W)



P-V CURVES OF PV MODULE(370W)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX} (Wp)*	360	365	370	375	380	
Power Tolerance-P_{MAX} (W)	0 ~ +5					
Maximum Power Voltage-V_{MPP} (V)	33.6	33.9	34.2	34.4	34.7	
Maximum Power Current-I_{MPP} (A)	10.70	10.76	10.82	10.89	10.96	
Open Circuit Voltage-V_{OC} (V)	40.7	41.0	41.3	41.6	41.9	
Short Circuit Current-I_{SC} (A)	11.24	11.30	11.37	11.45	11.52	
Module Efficiency η_m (%)	19.6	19.9	20.2	20.5	20.7	

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

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	271	275	279	283	287
Maximum Power Voltage-V_{MPP} (V)	31.5	31.8	32.0	32.2	32.5
Maximum Power Current-I_{MPP} (A)	8.60	8.65	8.71	8.77	8.83
Open Circuit Voltage-V_{OC} (V)	38.3	38.6	38.9	39.2	39.4
Short Circuit Current-I_{SC} (A)	9.06	9.10	9.16	9.23	9.28

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

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	120 cells
Module Dimensions	1755×1038×30mm (69.09×40.86×1.14 inches)
Weight	20 kg
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	30 mm(1.18 inches) Black, anodized aluminium alloy
J-Box	IP 68 rated (3 bypass diodes)
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²) Portrait: N 300mm/P 300mm(11.02/11.02 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 Coefficient of P_{MAX}	- 0.34%/℃
Temperature Coefficient of V_{OC}	- 0.25%/℃
Temperature Coefficient of I_{SC}	0.04%/℃

MAXIMUMRATINGS

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

WARRANTY

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.

PACKAGING CONFIGUREATION

Modules per pallet: 37 pieces
Modules per 40' container: 1040 pieces

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

Website: www.maysunsolar.com