

Mono PERC 210mm 340 Cells

# TH(350-380)PMB5-60SA Full Black

350/360/370/380 WP



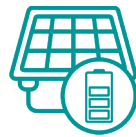
## Better appearance

- 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



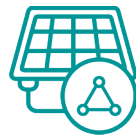
## High customer value

- 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 (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
- The unique design provides optimized energy production under inter-row shading conditions



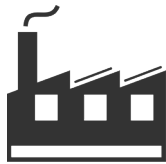
## High reliability

- 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

## APPLICATIONS >>



On-grid residential roof-tops



On-grid commercial/ industrial roof-tops

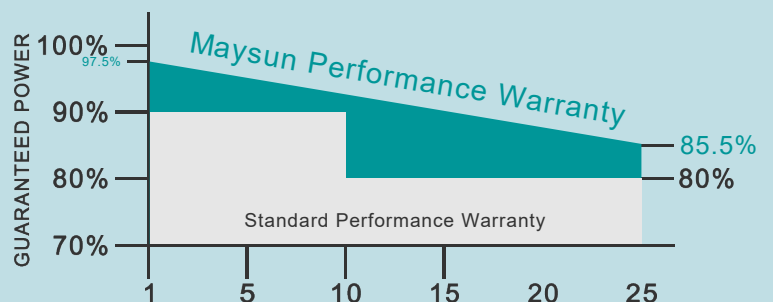


## MAXIMUM EFFICIENCY

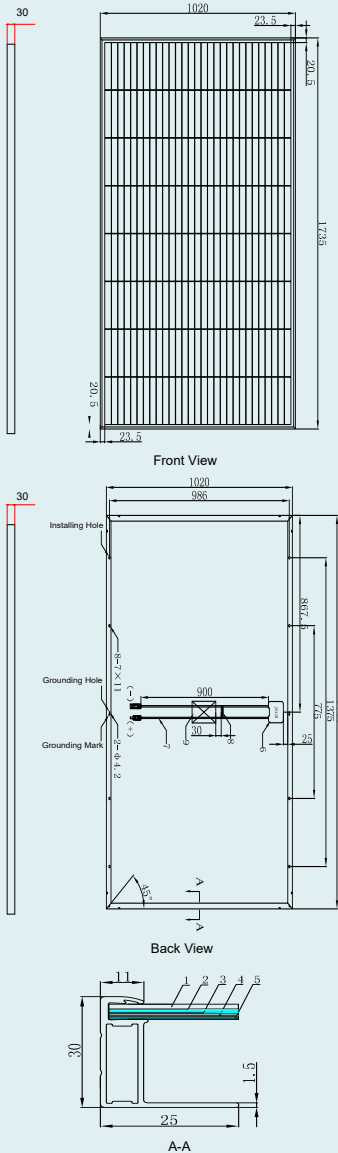
# 21.4%

## POSITIVE POWER TOLERANCE

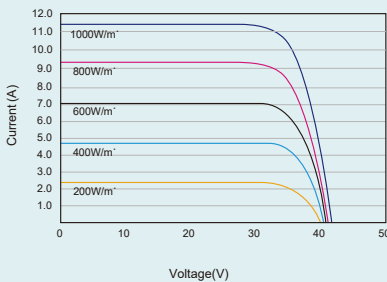
# 0 ~ +5W



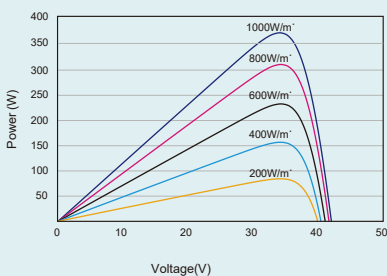
### DIMENSIONS OF PV MODULE(mm)



### I-V CURVES OF PV MODULE(370W)



### P-V CURVES OF PV MODULE(370W)



### ELECTRICAL DATA (STC)

Parameter	360	360	370	380
Peak Power Watts- $P_{MAX}$ (Wp)*	360	360	370	380
Power Tolerance- $P_{MAX}$ (W)	0 ~ +5			
Maximum Power Voltage- $V_{MPP}$ (V)	32.57	32.76	33.17	33.57
Maximum Power Current- $I_{MPP}$ (A)	10.90	10.99	11.16	11.33
Open Circuit Voltage- $V_{OC}$ (V)	38.35	38.55	38.95	39.35
Short Circuit Current- $I_{SC}$ (A)	11.59	11.65	11.77	11.90
Module Efficiency $\eta_m$ (%)	20.2	20.4	20.9	21.4

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5. \*Measuring tolerance: ±3%.

### ELECTRICAL DATA (NOCT)

Parameter	267	272	280	290
Maximum Power- $P_{MAX}$ (Wp)	267	272	280	290
Maximum Power Voltage- $V_{MPP}$ (V)	30.5	30.7	31.08	31.48
Maximum Power Current- $I_{MPP}$ (A)	8.76	8.84	8.98	9.07
Open Circuit Voltage- $V_{OC}$ (V)	36.18	36.27	36.45	36.63
Short Circuit Current- $I_{SC}$ (A)	9.33	9.38	9.47	9.56

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	340 cells
Module Dimensions	1735×1020×30 mm (68.31×40.16×1.18 inches)
Weight	19.5 kg
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA/POE
Backsheet	Black
Frame	30 mm(1.18 inches) Black, anodized aluminium alloy
J-Box	IP 68 rated (3 bypass diodes)
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ) Portrait: N 900mm/P 900mm(35.43/35.43 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%/°C
Temperature Coefficient of $V_{OC}$	- 0.25%/°C
Temperature Coefficient of $I_{SC}$	0.04%/°C

### MAXIMUM RATINGS

Operational Temperature	- 40 ~ +85°C
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 CONFIGURATION

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



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

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