

Mono PERC 210mm 232 Cells

TH(360-380)PM6-39SB Full Black

360/365/370/375/380 WP



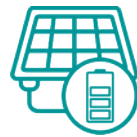
Better appearance

- 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



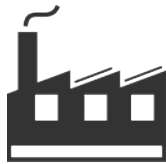
High reliability

- 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

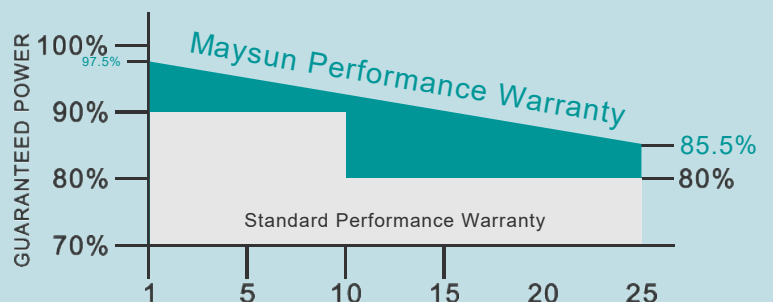


MAXIMUM EFFICIENCY

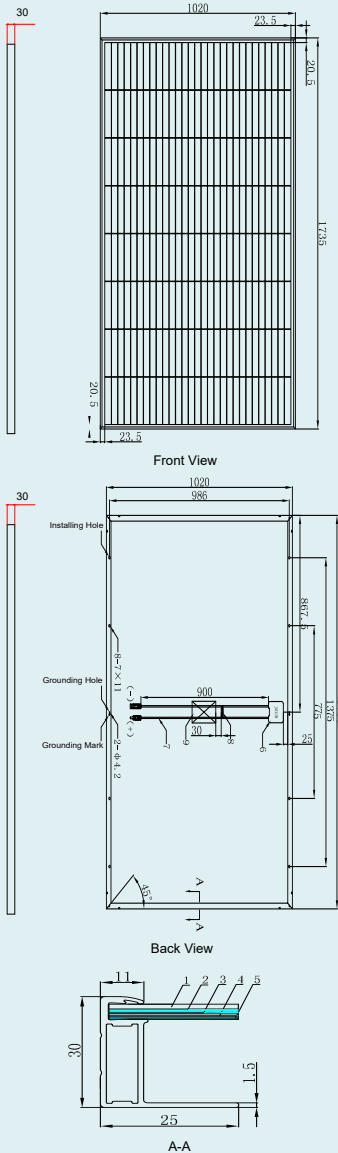
21.4%

POSITIVE POWER TOLERANCE

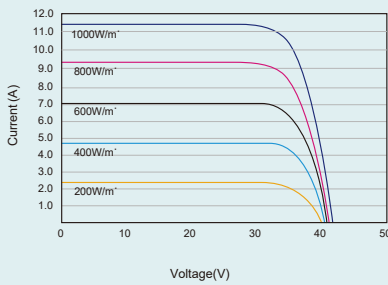
0 ~ +5W



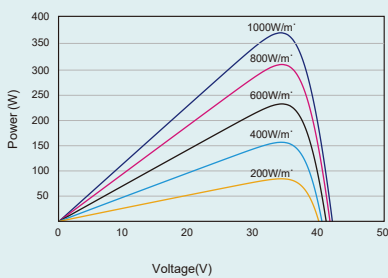
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(360W)



P-V CURVES OF PV MODULE(360W)



ELECTRICAL DATA (STC)

Parameter	360	365	370	375	380
Peak Power Watts- P_{MAX} (Wp)*	360	365	370	375	380
Power Tolerance- P_{MAX} (W)	0 ~ +5				
Maximum Power Voltage- V_{MPP} (V)	32.76	32.97	33.17	33.37	33.57
Maximum Power Current- I_{MPP} (A)	10.99	11.08	11.16	11.24	11.33
Open Circuit Voltage- V_{OC} (V)	38.55	38.75	38.95	39.15	39.35
Short Circuit Current- I_{SC} (A)	11.65	11.71	11.77	11.83	11.90
Module Efficiency η_m (%)	20.4	20.6	20.9	21.1	21.4

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

ELECTRICAL DATA (NOCT)

Parameter	272	275	280	285	290
Maximum Power- P_{MAX} (Wp)	272	275	280	285	290
Maximum Power Voltage- V_{MPP} (V)	30.7	30.9	31.08	31.3	31.48
Maximum Power Current- I_{MPP} (A)	8.84	8.92	8.98	8.99	9.07
Open Circuit Voltage- V_{OC} (V)	36.27	36.36	36.45	36.54	36.63
Short Circuit Current- I_{SC} (A)	9.38	9.43	9.47	9.52	9.56

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

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	232 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 ² (0.006 inches ²) 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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