

# Green Technology Creates Golden Future

## PV-Module

10 years professional brand, 10 years quality pursue  
10 years professional photovoltaic products manufacturer

## M3 series

### Monocrystalline Module



**MYM3096-520**

**MYM3096-515**

**MYM3096-510**

**MYM3096-505**

**MYM3072-500**

### KEY FEATURES



#### 5/6/9 Busbar Solar Cell

5/6/9 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



#### High Efficiency

Higher module conversion efficiency (up to 19.9%) benefit from Passivated Emitter Rear Contact (PERC) technology.



#### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



#### Low-light Performance

Advanced glass and surface texturing allow for excellent performance in low-light environment.



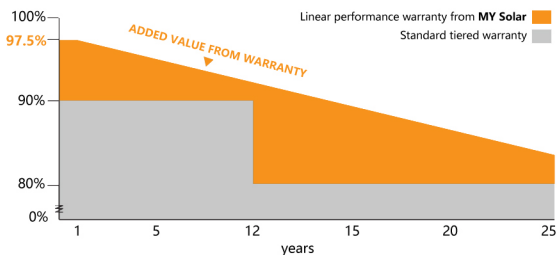
#### Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



#### Durability Against Extreme Environmental Conditions

Resistance to high salt mist and ammonia.



- 25 25-year performance warranty
- 12 12-year warranty on materials and workmanship

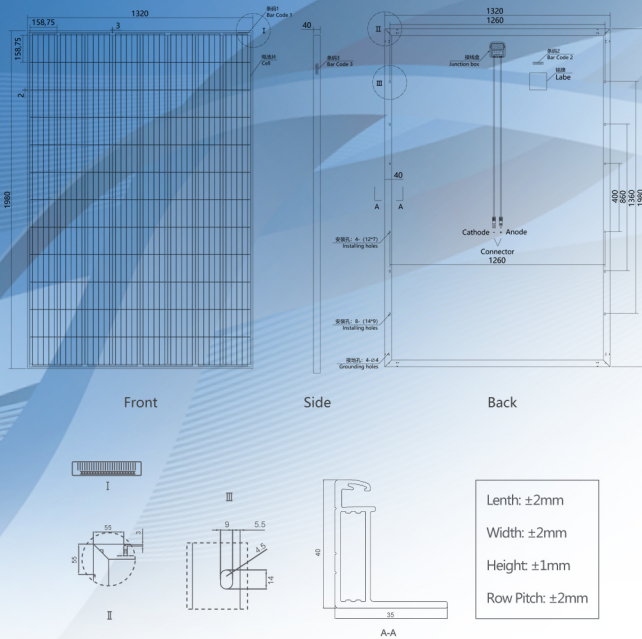
Product quality standards with reference to



[www.mypvtech.com](http://www.mypvtech.com)

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## Engineering Drawings

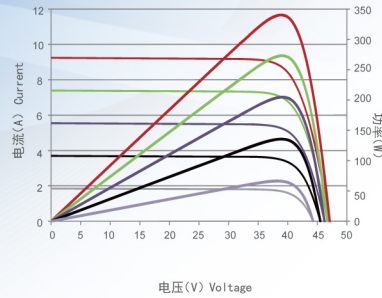


## Packaging Configuration

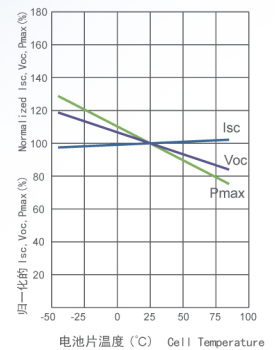
192pcs/20'GP , 384pcs/40'GP , 416pcs/40'HQ

## Electrical Performance & Temperature Dependence

电流电压及功率电压曲线 (510W)  
Current-Voltage & Power-Voltage Curves



Isc, Voc, Pmax的温度曲线  
Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	Mono PERC 158.75 x 158.75mm
No. of cells	96 Cells (8 x 12)
Dimensions	1980x1320x40mm(77.95x51.97x1.58 inch)
Weight	30.3kg(66.8 lbs)
Front Glass	3.2mm , Anti-Reflection Coating , High Transmission , Low Iron , Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1x4.0mm <sup>2</sup> ,Length 900mm or Customized Length

## SPECIFICATIONS

Module Type	MYM3096-500		MYM3096-505		MYM3096-510		MYM3096-515		MYM3096-520	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	500	370.3	505	374.0	510	377.7	515	381.4	520	385.1
Maximum Power Voltage(Vmp)	49.9	46.3	49.9	46.3	49.9	46.3	49.9	46.3	49.9	46.3
Maximum Power Current(Imp)	10.02	8.00	10.12	8.08	10.22	8.16	10.32	8.24	10.42	8.32
Open-circuit Voltage(Voc)	60.9	56.6	60.9	56.6	60.9	56.6	60.9	56.6	60.9	56.6
Short-circuit Current(Isc)	10.42	8.61	10.52	8.69	10.62	8.78	10.73	8.86	10.83	8.95
Module Efficiency STC(%)	19.1%		19.3%		19.5%		19.7%		19.9%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC(IEC)									
Maximum Series Fuse Rating	10A									
Power Tolerance	0~+5Wp									
Temperature Coefficients of Pmax	-0.37%/°C									
Temperature Coefficients of Voc	-0.29%/°C									
Temperature Coefficients of Isc	-0.048%/°C									
Nominal Operating Cell Temperature(NOCT)	45±2°C									

STC: Irradiance 1000W/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup>

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

\* Power measurement tolerance:  $\pm 3\%$

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